


Récupérer les réponses de ChatGPT en markdown

Le script est « en partie » écrit par ChatGPT lui-même...

Importer le fichier `lib/turndown.browser.umd.js` de la bibliothèque [mixmark-ioturndown](https://unpkg.com/mixmark-ioturndown)  An HTML to Markdown converter written in JavaScript depuis le site <https://unpkg.com/browse/turndown/> (actuellement [ce lien](#)) dans la console JavaScript du navigateur.

Version minifiée par **JavaScript Minifier & Compressor Toptal®**

```
!function(e,n){"object"==typeof exports&&"undefined"!=typeof module?module.exports=n():"function"==typeof define&&define.amd?define(n):(e="undefined"!=typeof globalThis?globalThis:e||self).TurndownService=n()}(this,function(){function e(e,n){return Array(n+1).join(e)}var n,t=["ADDRESS","ARTICLE","ASIDE","AUDIO","BLOCKQUOTE","BODY","CANVAS","CENTER","DD","DIR","DIV","DL","DT","FIELDSET","FIGCAPTION","FIGURE","FOOTER","FORM","FRAMESET","H1","H2","H3","H4","H5","H6","HEADER","HGROUP","HR","HTML","ISINDEX","LI","MAIN","MENU","NAV","NOFRAMES","NOSCRIPT","OL","OUTPUT","P","PRE","SECTION","TABLE","TBODY","TD","TFOOT","TH","THEAD","TR","UL"];function r(e){return l(e,t)}var i=["AREA","BASE","BR","COL","COMMAND","EMBED","HR","IMG","INPUT","KEYGEN","LINK","META","PARAM","SOURCE","TRACK","WBR"];function o(e){return l(e,i)}var a=["A","TABLE","THEAD","TBODY","TFOOT","TH","TD","IFRAME","SCRIPT","AUDIO","VIDEO"];function l(e,n){return n.indexOf(e.nodeName)>=0}function u(e,n){return e.getElementsByTagName&&n.some(function(n){return e.getElementsByTagName(n).length})}var c={};function s(e){return e?e.replace(/(\n+\\s*)+/g,"\\n"):""}function f(e){for(var n in this.options=e,this._keep=[],this._remove=[],this.blankRule={replacement:e.blankReplacement},this.keepReplacement=e.keepReplacement,this.defaultRule={replacement:e.defaultReplacement},this.array=[],e.rules)this.array.push(e.rules[n])}function d(e,n,t){for(var r=0;r<e.length;r++){var i=e[r];if(p(i,n,t))return i}function p(e,n,t){var r=e.filter;if("string"==typeof r){if(r==n.nodeName.toLowerCase())return!0}else if(Array.isArray(r)){if(r.indexOf(n.nodeName.toLowerCase())>-1)return!0}else if("function"==typeof r){if(r.call(e,n,t))return!0}else throw TypeError("`filter` needs to be a string, array, or function")}}function h(e){var n=e.nextSibling||e.parentNode;return e.parentNode.removeChild(e),n}function g(e,n,t){return e&&e.parentNode===n||t(n)?n.nextSibling||n.parentNode:n.firstChild||n.nextSibling||n.parentNode}c.paragraph={filter:"p",replacement:function(e){return"\\n\\n"+e+"\\n\\n"}},c.lineBreak={filter:"br",replacement:function(e,n,t){return t.br+"\\n"}},c.heading={filter:["h1","h2","h3","h4","h5","h6"],replacement:function(n,t,r){var i=Number(t.nodeName.charAt(1))·if("setext"!=r.headingStyle||i<3)return"\\n\\n"+e("#"+i)+" "+n+"\\n\\n"·var
```

```

lter:"li",replacement:function(e,n,t){e=e.replace(/^\n+/,"").replace(/\n$/,"\\n").replace(/\\n/gm,"\\n ");var
r=t.bulletListMarker+" ",i=n.parentNode;if("OL"===i.nodeName){var
o=i.getAttribute("start"),a=Array.prototype.indexOf.call(i.children,n);r=(o?Number(o)+a:a+1)+" ".return
r+e+(n.nextSibling&&!\\n$/).test(e)?"\\n":""}}},c.indentedCodeBlock={filter:function(e,n){return"indented"===
n.codeBlockStyle&&"PRE"===e.nodeName&&e.firstChild&&"CODE"===e.firstChild.nodeName},replacement:functio
n(e,n,t){return"\\n\\n "+n.firstChild.textContent.replace(/\\n/g,"\\n
")+ "\\n\\n"}},c.fencedCodeBlock={filter:function(e,n){return"fenced"===n.codeBlockStyle&&"PRE"===e.node
Name&&e.firstChild&&"CODE"===e.firstChild.nodeName},replacement:function(n,t,r){for(var
i,o=((t.firstChild.getAttribute("class"))||"").match(/language-(
\\S+)/)||[null,""])[1],a=t.firstChild.textContent,l=r.fence.charAt(0),u=3,c=RegExp("^"+l+"{3,}",gm");i=c.exec(
a);i[0].length>=u&&(u=i[0].length+1);var
s=e(l,u);return"\\n\\n"+s+o+"\\n"+a.replace(/\\n$/,"")+ "\\n"+s+"\\n\\n"}},c.horizontalRule={filter:"hr",replacement:
function(e,n,t){return"\\n\\n"+t.hr+"\\n\\n"}},c.inlineLink={filter:function(e,n){return"inlined"===n.linkStyle&&"A
"===e.nodeName&&e.getAttribute("href")},replacement:function(e,n){var
t=n.getAttribute("href"),r=s(n.getAttribute("title"));return r&&(r='
'+r+'"),["+e+"](t+r+"")}},c.referenceLink={filter:function(e,n){return"referenced"===n.linkStyle&&"A"=
===e.nodeName&&e.getAttribute("href")},replacement:function(e,n,t){var
r,i,o=n.getAttribute("href"),a=s(n.getAttribute("title"));switch(a&&(a='
'+a+'"),t.linkReferenceStyle){case"collapsed":r="["+e+"]",i="["+e+":
"+o+a;break;case"shortcut":r="["+e+"]",i="["+e+": "+o+a;break;default:var
l=this.references.length+1;r="["+e+"]["+l+"]",i="["+l+": "+o+a;return
this.references.push(i,r),references:[],append:function(e){var n="";return
this.references.length&&(n="\\n\\n"+this.references.join("\\n")+ "\\n\\n",this.references=[]),n}},c.emphasis={filter:
["em","i"],replacement:function(e,n,t){return
e.trim()?t.emDelimiter+e+t.emDelimiter:""}},c.strong={filter:["strong","b"],replacement:function(e,n,t){return
e.trim()?t.strongDelimiter+e+t.strongDelimiter:""}},c.code={filter:function(e){var
n=e.previousSibling||e.nextSibling,t="PRE"===e.parentNode.nodeName&&!n;return"CODE"===e.nodeName&
&!t},replacement:function(e){if(!e)return"";e=e.replace(/r?\\n|\\r/g," ");for(var n=/^`|^
.*?[^`]|`.*$/).test(e)?"
": "",t="",r=e.match(/`+/gm)||[];-1!==r.indexOf(t);t+="`";return
t+n+e+n+t}},c.image={filter:"img",replacement:function(e,n){var
t=s(n.getAttribute("alt")),r=n.getAttribute("src")||"",i=s(n.getAttribute("title"));return r?"!["+t+"]("+r+(i?
"+i+'": ""))+""": ""}},f.prototype={add:function(e,n){this.array.unshift(n)},keep:function(e){this._keep.unshift({
filter:e,replacement:this.keepReplacement})},remove:function(e){this._remove.unshift({filter:e,replacement:fu
nction(){return""}})},forNode:function(e){var n;return
e.isBlank?this.blankRule:(n=d(this.array,e,this.options))||(n=d(this._keep,e,this.options))||(n=d(this._remove,e,t
his.options)?n:this.defaultRule},forEach:function(e){for(var
n=0;n<this.array.length;n++)e(this.array[n],n)};var m,v="undefined"!==typeof
window?window:{},A=!function e(){var n=v.DOMParser,t=!1;try{new
n().parseFromString("", "text/html")&&(t=!0)}catch(r){}return t}()?(m=function(){},!function e(){var
n=!1;try{document.implementation.createHTMLDocument("").open()}catch(t){window.ActiveXObject&&(n=!0)
}return n}())?m.prototype.parseFromString=function(e){var
n=document.implementation.createHTMLDocument("");return

```



```
// Ajoute une règle pour les blocs de code
turndownService.addRule('codeBlock', {
  filter: 'pre',
  replacement: function (content) {
    const regexTick = /^`|\n+/gm;
    const _content = content.replace('\n\n','').replace('Copy code\n','').replace(regexTick,'');
    console.log('***', _content);
    return '\n```' + _content + '\n```';
  }
});

// Sélectionne toutes les balises <div> qui contiennent la classe
const answerElements = document.querySelectorAll('div.' + answerClass);

// Initialise une chaîne de caractères vide pour stocker les réponses en markdown
let markdown = '';

// Boucle à travers chaque élément de réponse
answerElements.forEach((answerElement) => {
  // Convertit le contenu HTML de l'élément réponse en markdown
  const answerHtml = answerElement.innerHTML.trim();
  const answerMarkdown = turndownService.turndown(answerHtml);

  // Ajoute le texte en markdown de l'élément réponse à la chaîne markdown
  markdown += answerMarkdown + '\n\n';
});

// Affiche la chaîne markdown dans la console
console.log(markdown);
}
```

Il est possible que la classe de la réponse ait changé, il faudra l'adapter.

Version minifiée tout compris

```
{const answerClass='prose';!function(e,n){"object"==typeof exports&&"undefined"!=typeof module?module.exports=n():"function"==typeof define&&define.amd?define(n):(e="undefined"!=typeof globalThis?globalThis:e||self).TurndownService=n()}(this,function(){ "use strict";function e(e,n){return Array(n+1).join(e)}var n,t=["ADDRESS","ARTICLE","ASIDE","AUDIO","BLOCKQUOTE","BODY","CANVAS","CENTER","DD","DIR","DIV","DL","DT","FIELDSET","FIGCAPTION","FIGURE","FOOTER","FORM","FRAMESET","H1","H2","H3","H4","H5","H6","HEA
```

```

DER","HGROUP","HR","HTML","INDEX","LI","MAIN","MENU","NAV","NOFRAMES","NOSCRIPT","OL","OUTPUT","P
","PRE","SECTION","TABLE","TBODY","TD","TFOOT","TH","THEAD","TR","UL"];function r(e){return a(e,t)}var
i=["AREA","BASE","BR","COL","COMMAND","EMBED","HR","IMG","INPUT","KEYGEN","LINK","META","PARAM","SO
URCE","TRACK","WBR"];function o(e){return a(e,i)}var
l=["A","TABLE","THEAD","TBODY","TFOOT","TH","TD","IFRAME","SCRIPT","AUDIO","VIDEO"];function
a(e,n){return n.indexOf(e.nodeName)>=0}function u(e,n){return
e.getElementsByTagName&&n.some(function(n){return e.getElementsByTagName(n).length})}var
c={};function s(e){return e?e.replace(/(\\n\\s*)+/g,"\\n"):""}function f(e){for(var n in
this.options=e,this._keep=[],this._remove=[],this.blankRule={replacement:e.blankReplacement},this.keepRepl
acement=e.keepReplacement,this.defaultRule={replacement:e.defaultReplacement},this.array=[],e.rules)this.
array.push(e.rules[n])}function d(e,n,t){for(var r=0;r<e.length;r++){var i=e[r];if(p(i,n,t))return i}}function
p(e,n,t){var r=e.filter;if("string"===typeof r){if(r===n.nodeName.toLowerCase())return!0}else
if(Array.isArray(r)){if(r.indexOf(n.nodeName.toLowerCase())>-1)return!0}else if("function"===typeof
r){if(r.call(e,n,t))return!0}else throw TypeError("`filter` needs to be a string, array, or function")}}function
h(e){var n=e.nextSibling||e.parentNode;return e.parentNode.removeChild(e),n}function g(e,n,t){return
e&&e.parentNode===n||t(n)?n.nextSibling||n.parentNode:n.firstChild||n.nextSibling||n.parentNode}c.paragrap
h={filter:"p",replacement:function(e){return "\\n\\n"+e+"\\n\\n"}},c.lineBreak={filter:"br",replacement:function(e,
n,t){return t.br+"\\n"}},c.heading={filter:["h1","h2","h3","h4","h5","h6"],replacement:function(n,t,r){var
i=Number(t.nodeName.charAt(1));if("setext"!==r.headingStyle||!(i<3))return "\\n\\n"+e("#",i)+" "+n+"\\n\\n";var
o=e(1===i?"":"-
",n.length);return "\\n\\n"+n+"\\n"+o+"\\n\\n"}},c.blockquote={filter:"blockquote",replacement:function(e){return
 "\\n\\n"+(e=(e=e.replace(/^\\n+|\\n+$/g,"")).replace(/\\/gm,">
"))+"\\n\\n"}},c.list={filter:["ul","ol"],replacement:function(e,n){var
t=n.parentNode;return "LI"===t.nodeName&&t.lastElementChild===n?"\\n"+e:"\\n\\n"+e+"\\n\\n"}},c.listItem={fi
lter:"li",replacement:function(e,n,t){e=e.replace(/^\\n+/, "").replace(/\\n+$/, "\\n").replace(/\\n/gm, "\\n
");var
r=t.bulletListMarker+" ",i=n.parentNode;if("OL"===i.nodeName){var
o=i.getAttribute("start"),l=Array.prototype.indexOf.call(i.children,n);r=(o?Number(o)+l:l+1)+" ".}return
r+e+(n.nextSibling&&!\\n$.test(e)?"\\n":"")}},c.indentedCodeBlock={filter:function(e,n){return "indented"===
n.codeBlockStyle&&"PRE"===e.nodeName&&e.firstChild&&"CODE"===e.firstChild.nodeName},replacement:f
unction(e,n,t){return "\\n\\n "+n.firstChild.textContent.replace(/\\n/g, "\\n
")+ "\\n\\n"}},c.fencedCodeBlock={filter:function(e,n){return "fenced"===n.codeBlockStyle&&"PRE"===e.node
Name&&e.firstChild&&"CODE"===e.firstChild.nodeName},replacement:function(n,t,r){for(var
i,o=((t.firstChild.getAttribute("class"))|| "").match(/language-
(\\S+)/)||[null,""])[1],l=t.firstChild.textContent,a=r.fence.charAt(0),u=3,c=RegExp("^"+a+"{3,}","gm");i=c.exec
(l);i[0].length>=u&&(u=i[0].length+1);var
s=e(a,u);return "\\n\\n"+s+o+"\\n"+l.replace(/\\n$/, "")+"\\n"+s+"\\n\\n"}},c.horizontalRule={filter:"hr",replacement:
function(e,n,t){return "\\n\\n"+t.hr+"\\n\\n"}},c.inlineLink={filter:function(e,n){return "inlined"===n.linkStyle&&"A
"===e.nodeName&&e.getAttribute("href")},replacement:function(e,n){var
t=n.getAttribute("href"),r=s(n.getAttribute("title"));return r&&(r='
'+r+''),'["+e+"]('+t+r+')"}},c.referenceLink={filter:function(e,n){return "referenced"===n.linkStyle&&"A"=
===e.nodeName&&e.getAttribute("href")},replacement:function(e,n,t){var
r,i,o=n.getAttribute("href"),l=s(n.getAttribute("title"));switch(l&&(l='
'+l+'')){case"collapsed":r="["+e+"]["+l+"]".i="["+e+"]":

```

```
t+n+e+n+t}},c.image="img",replacement:function(e,n){var
t=s(n.getAttribute("alt")),r=n.getAttribute("src"))||"" ,i=s(n.getAttribute("title"));return r?"!["+t+"]("+r+(i?"
"+i+"!:"")+"):"""},f.prototype={add:function(e,n){this.array.unshift(n)},keep:function(e){this._keep.unshift({
filter:e,replacement:this.keepReplacement})},remove:function(e){this._remove.unshift({filter:e,replacement:fu
nction(){return""}})},forNode:function(e){var n;return
e.isBlank?this.blankRule:(n=d(this.array,e,this.options))||(n=d(this._keep,e,this.options))||(n=d(this._remove,e,t
his.options))?n:this.defaultRule},forEach:function(e){for(var
n=0;n<this.array.length;n++)e(this.array[n],n)};var m,v="undefined"!=typeof
window?window:{},y=!function e(){var n=v.DOMParser,t=!1;try{new
n().parseFromString("","text/html")&&(t=!0)}catch(r){}return t}()?(m=function(){},!function e(){var
n=!1;try{document.implementation.createHTMLDocument("").open()}catch(t){window.ActiveXObject&&(n=!0)
}return n}())?m.prototype.parseFromString=function(e){var
n=document.implementation.createHTMLDocument("");return
n.open(),n.write(e),n.close(),n}:m.prototype.parseFromString=function(e){var n=new
window.ActiveXObject("htmlfile");return
n.designMode="on",n.open(),n.write(e),n.close(),n},m):v.DOMParser;function A(e,t){var i;return!function
e(n){var
t=n.element,r=n.isBlock,i=n.isVoid,o=n.isPre||function(e){return"PRE"===e.nodeName};if(!(!t.firstChild||o(t)))
{for(var l=null,a=!1,u=null,c=g(u,t,o);c!==t;){if(3===c.nodeType||4===c.nodeType){var s=c.data.replace(/[\r\n\t]+/g," ");if(!(!||/ $/.test(l.data))&&!a&&"
===s[0]&&(s=s.substr(1)),!s){c=h(c);continue}c.data=s,l=c}else
if(1===c.nodeType)r(c)||"BR"===c.nodeName?(l&&(l.data=l.data.replace(/
$/, "")),l=null,a=!1):i(c)||o(c)?(l=null,a=!0):l&&(a=!1);else{c=h(c);continue}var
f=g(u,c,o);u=c,c=f}l&&(l.data=l.data.replace(/ $/, ""),l.data||h(l))}}({element:i="string"===typeof e?(n=n||new
y).parseFromString('<x-turndown id="turndown-root">'+e+"</x-
turndown>","text/html").getElementById("turndown-
root"):e.cloneNode(!0),isBlock:r,isVoid:o,isPre:t.preformattedCode?N:null}),i}function
N(e){return"PRE"===e.nodeName||"CODE"===e.nodeName}function E(e,n){var t,c,s,f;return
e.isBlock=r(e),e.isCode="CODE"===e.nodeName||e.parentNode.isCode,e.isBlank=!o(t=e)&&!a(c=t,l)&&/^s*$
/i.test(t.textContent)&&!u(s=t,i)&&!u(f=t,l),e.flankingWhitespace=function
e(n,t){if(n.isBlock||t.preformattedCode&&n.isCode)return{leading:"",trailing:""};var
r,i,o={leading:(i=(r=n.textContent).match(/^(([\r\n]*)($*))([\sS]*)?((\s*)?([\r\n]*)$)))[1],leadingAscii:i[2],leadingNonAscii:i[3],trailing:i[4],trailingNonAscii:i[5],trailingAscii:i[6]};return
o.leadingAscii&&T("left",n,t)&&(o.leading=o.leadingNonAscii),o.trailingAscii&&T("right",n,t)&&(o.trailing=o.trai
lingNonAscii),{leading:o.leading,trailing:o.trailing}}(e,n),e}function T(e,n,t){var
i,o,l;return"left"===e?(i=n.previousSibling,o=/ $/):(i=n.nextSibling,o=/^
/),i&&(3===i.nodeType?!o.test(i.nodeValue):t.preformattedCode&&"CODE"===i.nodeName?!1:1!===i.node
Type||r(i))||(l=o.test(i.textContent)),l}var C=Array.prototype.reduce,R=[[/\Vg, "\\|",[/^*/g, "\\*",[/^~/g, "\\~"],[/^\\+/g, "\\+ "],[/^\\(=+\\)/g, "\\$1"],[/^\\(#{1,6}\\)/g, "\\$1
"],[/^\\./g, "\\."],[/^\\~+~/g, "\\~+~"],[/^\\[/g, "\\["],[/^\\]/g, "\\]"],[/^\\>/g, "\\>"],[/^\\_/g, "\\_"],[/^\\(\\d+\\)/g, "\\$1\\."],function
k(e){if(!(this instanceof k))return new k(e);this.options=function e(n){for(var t=1;t<arguments.length;t++){var
r=arguments[t];for(var i in r)r.hasOwnProperty(i)&&(n[i]=r[i])}return n}({},{rules:c,headingStyle:"setext",hr:"*
```

```

ng+n.replacement(t,e,this.options)+r.trailing}function S(e,n){var t,r=function e(n){for(var
t=n.length;t>0&&"\n"===n[t-1];)t--;return
n.substring(0,t)}(e),i=(t=n).replace(/^\n*/,""),o=Math.max(e.length-r.length,n.length-i.length);return
r+"\n\n".substring(0,o)+i}return k.prototype={turndown:function(e){if(null==(n=e)||"string"!==typeof
n&&(!n.nodeType||1!==n.nodeType&&9!==n.nodeType&&11!==n.nodeType))throw TypeError(e+" is not a
string, or an element/document/fragment node.");if(""===e)return"";var n,t=b.call(this,new
A(e,this.options));return D.call(this,t)},use:function(e){if(Array.isArray(e))for(var
n=0;n<e.length;n++)this.use(e[n]);else if("function"===typeof e)e(this);else throw TypeError("plugin must be a
Function or an Array of Functions");return this},addRule:function(e,n){return
this.rules.add(e,n),this},keep:function(e){return this.rules.keep(e),this},remove:function(e){return
this.rules.remove(e),this},escape:function(e){return R.reduce(function(e,n){return
e.replace(n[0],n[1]),e}}},k});let e=new
TurndownService({codeBlockStyle:"fenced",strongDelimiter:"__"});e.addRule("codeBlock",{filter:"pre",replace
ment:function(e){let n=e.replace("\n\n","").replace("Copy code\n","").replace(/^\`|\`n+/gm,"");return
console.log("***",n),"\n``"+n+"\n``\n"}));let
n=document.querySelectorAll("div."+answerClass),t="";n.forEach(n=>{let
r=n.innerHTML.trim(),i=e.turndown(r);t+=i+"\n\n"}),console.log(t)}

```

Révision #1

Créé 15 mars 2023 14:26:09 par Mickaël G.

Mis à jour 15 mars 2023 15:53:58 par Mickaël G.