How to use the code environment in latex

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```
\begin{minted}[bgcolor=bg,breaklines=true]{python}

        a=2**3

\end{minted}


\inputminted[bgcolor=bg]{python}{./ff.py}


\mint[bgcolor=bg]{html}|<h2>Something <b>here</b></h2>|


\mintinline{latex}{\LaTeX}
```

Contents

1 Use minted package

The source code can either be entered into latex source code or directly from a file.

1.1 For code in the latex file

```python
# From ./main.tex
import numpy as np


def incmatrix(genl1,genl2):
    m = 121312313123123123123+ 12312312 + 31231231231231+2312312313123123123
    n = 1+4+5+31+4+5+31+4+5+31+4+5+3131+4+5+31+31+4+5+31+31+4+5+31+31+4+5+31++4
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)  #dummy variable
```

As you can see here, although we can add the option `breaklines` to let the large code line breaks automatically, this function can only break the line for one time.

1.2 For code in the latex file in an external file.

```python
# from ./ff.py
import numpy as np


def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)  #dummy variable


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def incmatrix(genl1,genl2):
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```python
    n = len(genl2)

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    VT = np.zeros((n*m,1), int)   #dummy variable


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```

As you can see are, the page breaks automatically if the code is too long.

1.3   For an one-line code:

```html
<h2>Something <b>here</b></h2>
```

1.4   For inline code:

Hey buddy, this is a `\LaTeX` logo.

2   Reference

```
https://www.overleaf.com/learn/latex/Code_Highlighting_with_minted
    ./minted.pdf
```

3   Code of this tex

To make this pdf self-esteem, I want to include the source code of this tex.

```latex
\documentclass{article}

\usepackage[utf8]{inputenc}

\usepackage[english]{babel}

\usepackage{minted}

\usepackage{setspace}

\usepackage{url}

\usepackage{hyperref}

\usepackage[margin=2.8cm]{geometry}


\begin{document}


\definecolor{bg}{rgb}{0.95,0.95,0.95}

\doublespacing


\begin{center}
    \LARGE
    How to use the code environment in latex \\
    \large Author: Wang, Ren iamwrm@gmail.com
\end{center}


\inputminted[bgcolor=bg]{python}{./ab.tex}


\tableofcontents


\newpage


\section{Use minted package}


The source code can either be entered into latex source code or directly from a file.
```

```latex
\subsection{ For code in the latex file }

\begin{minted}[bgcolor=bg,breaklines=true]{python}
# From ./main.tex
import numpy as np

def incmatrix(genl1,genl2):
    m = 121312313123123123123+ 12312312 + 31231231231231+23123123131123123123
    n = 1+4+5+31+4+5+31+4+5+31+4+5+3131+4+5+31+31+4+5+31+31+4+5+31+31+4+5+31++4
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)   #dummy variable
\end{minted}
```

As you can see here, although we can add the option `\mintinline{latex}{breaklines}` to
↪ let the large code line breaks automatically, this function can only break the
↪ line for one time.

```latex
\subsection{ For code in the latex file in an external file. }

\inputminted[bgcolor=bg]{python}{./ff.py}
```
As you can see are, the page breaks automatically if the code is too long.

```latex
\subsection{ For an one-line code:}

\mint[bgcolor=bg]{html}|<h2>Something <b>here</b></h2>|

\subsection{ For  inline code:}
```

Hey buddy, this is a `\mintinline{latex}{\LaTeX}` logo.

```latex
\section{Reference}
```

```latex
\url{https://www.overleaf.com/learn/latex/Code_Highlighting_with_minted}

\url{./minted.pdf}

\section{Code of this tex}
To make this pdf self-esteem, I want to include the source code of this tex.

\inputminted[bgcolor=bg,breaklines]{latex}{./main.tex}

\end{document}
```