How To Read A Text File In C

Step 1: **Copy the text file to the folder of the code's file**

Step 2: **Define the variable of the file's pointer**

```
FILE *myTxtFile;
```

Step 3: **Define the variable of the file's name**

```
char fileName[]="textFile.txt";
```

Step 4: **Define the variable of the line that will contain the lines from the text file**

```
char line[LINE_SIZE] ;
```

Step 5: **Open the text file**

```
myTxtFile=fopen(fileName,"r");
```

Step 6: **Check if the file is open**

```
if (myTxtFile==NULL)

    printf("The file %s couldn't be open \n",fileName);
    return -1;
}
```

Step 7: **Loop through the file**

```
while(! feof(myTxtFile))
{



}
```

Step 8: (inside the loop) Reset the content of the line's variable

```
strcpy(line,"");
```

Step 9: (inside the loop) Read a line from a text file and put the content in the line's variable

```
fgets(line,LINE_SIZE,myTxtFile);
```

Step 10: (inside the loop) Print the content of the line

```
printf(line);
```

Step 11: Close the file

```
fclose(myTxtFile);
```

Step 12: Compile (build) and run

In Geany: **F9** (for build) then **F5** for run

The entire Code

```c
#include <stdio.h>
#define LINE_SIZE 1000
int main()
{
 FILE *myTxtFile;
 char fileName[]="textFile.txt";
 char line[LINE_SIZE] ;

 myTxtFile=fopen(fileName,"r");
 if (myTxtFile==NULL)
 {
        printf("The file %s couldn't be open \n",fileName);
        return -1;
 }

 while(! feof(myTxtFile))
 {      strcpy(line,"");
        fgets(line,LINE_SIZE,myTxtFile);
        printf(line);
 }

  fclose(myTxtFile);
  return 0;
}
```