

Write a program to copy the content from one file (test.txt) to another (temp.txt) which are in the same directory.

```
#include <bits/stdc++.h>
using namespace std;

int main()
{
    FILE *fptr1, *fptr2;
    char filename[100], file[100];
    scanf("%s", filename);
    fptr1 = fopen(filename, "r");
    fptr2 = fopen("text", "w");
    char c = fgetc(fptr1);
    while (c != EOF)
    {
        fputc(c, fptr2);
        c = fgetc(fptr1);
    }
    fclose(fptr1);
    fclose(fptr2);
}
```

```
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

public class FileCopyExample {

    public static void main(String[] args) {

        try {
            FileReader fr = new FileReader("input.txt");
            BufferedReader br = new BufferedReader(fr);
            FileWriter fw = new FileWriter("output.txt", true);
            String s;

            while ((s = br.readLine()) != null) {
                fw.write(s);
                fw.flush();
            }
            br.close();
            fw.close();

            System.out.println("file copied");
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```
}  
}
```

Why are some languages more popular than others.

- It takes time to learn a programming language.
- Too many sophisticated features that confuse developers.
- Poor documentation and community support.
- When a programmer is experienced enough, they are more committed to solving problem rather than learning new languages.

Revising a language

- add new features
 - While doing this one must maintain backward compatibility.
 - There is usually a trade off between adding new features and maintaining backwards compatibility.
 - Can result in some functions/libraries being deprecated.

Two kinds of comments: Delimiters are used on both ends (multiple-line comments); delimiter marks only the beginning of the comment (single-line comments).



The main disadvantage of using paired delimiters for comments is that it results in diminished reliability. It is easy to accidentally leave off the final delimiter, which extends the comment to the end of the next comment, effectively removing code from the program.

The advantage of paired delimiters is that one can comment out areas of a program.

The disadvantage of using only beginning delimiters is that they must be repeated on every line of a block of comments. This can be tedious and therefore error-prone.

The advantage is that you cannot make the mistake of forgetting the closing delimiter.

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