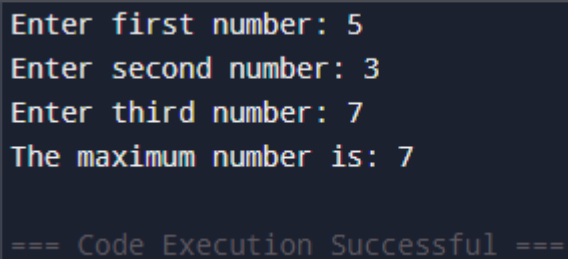


VIJAY M

day -14 Date:24-07-25

1. Write a python program which defines a function to find maximum of 3 numbers. Read the numbers as input and pass as argument to the function.

```
def find_max(a, b, c):  
    return max(a, b, c)  
  
num1 = int(input("Enter first number: "))  
num2 = int(input("Enter second number: "))  
num3 = int(input("Enter third number: "))  
maximum = find_max(num1, num2, num3)  
print("The maximum number is:", maximum)
```



```
Enter first number: 5  
Enter second number: 3  
Enter third number: 7  
The maximum number is: 7  
  
=== Code Execution Successful ===
```

2. Write a python program to read string as input and check whether it is a palindrome.

```
text = input("Enter a string: ")  
cleaned = text.replace(" ", "").lower()  
if cleaned == cleaned[::-1]:  
    print("It is a palindrome.")  
else:  
    print("It is not a palindrome.")
```

```
Enter a string: malayalam
It is a palindrome.

=== Code Execution Successful ===
```

3. Write a Java program which performs file copy.

```
import java.io.*;

public class FileCopy {

    public static void main(String[] args) {

        String sourcePath = "source.txt";

        String destinationPath = "destination.txt";

        try {

            FileInputStream fis = new FileInputStream(sourcePath);

            FileOutputStream fos = new FileOutputStream(destinationPath);

        } {

            byte[] buffer = new byte[1024];

            int bytesRead;

            while ((bytesRead = fis.read(buffer)) != -1) {

                fos.write(buffer, 0, bytesRead);

            }

            System.out.println("File copied successfully.");

        } catch (IOException e) {

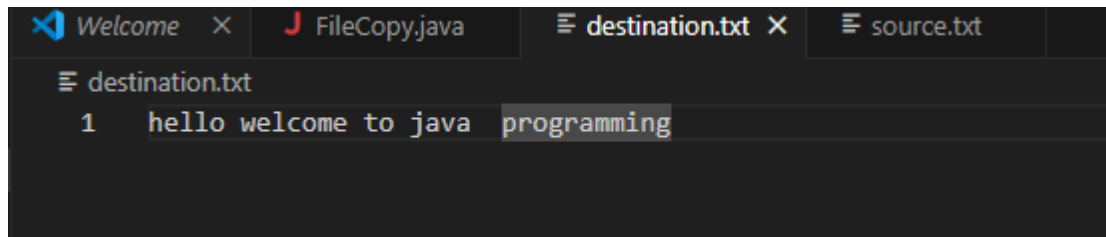
            System.out.println("Error occurred during file copy: " + e.getMessage());

        }

    }

}
```

```
PS C:\Users\vijay.m\Documents\java training> javac FileCopy.java
PS C:\Users\vijay.m\Documents\java training> java FileCopy
File copied successfully.
PS C:\Users\vijay.m\Documents\java training> 
```



The screenshot shows an IDE window with several tabs: 'Welcome', 'FileCopy.java', 'destination.txt', and 'source.txt'. The 'destination.txt' tab is active, displaying the text 'hello welcome to java programming' on a single line. The text is highlighted in a light blue color.

4. Write a python program to find the number of lines, words and characters in a file.

```
def count_file_contents(filename):
    try:
        with open(filename, 'r') as file:
            lines = file.readlines()
            num_lines = len(lines)
            num_words = sum(len(line.split()) for line in lines)
            num_chars = sum(len(line) for line in lines)
            print(f"Number of lines: {num_lines}")
            print(f"Number of words: {num_words}")
            print(f"Number of characters: {num_chars}")
    except FileNotFoundError:
        print("File not found. Please check the filename.")

filename = input("Enter the filename: ")
count_file_contents(filename)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\vijay.m\Documents\java training>

python filehandle.py

Enter the filename: destination.txt


Number of lines: 1

Number of words: 5

Number of characters: 34

PS C:\Users\vijay.m\Documents\java training>

 Welcome  FileCopy.java  destination.txt  source.txt

 destination.txt

1 hello welcome to java programming