

DAY-12

Date:24.07.2025

Name:Nancy M

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)  
  
num_1 = int(input("1 st num"))  
num_2 = int(input("2 nd num"))  
num_3 = int(input("3 rd num"))  
  
max = find_max(num_1, num_2, num_3)  
  
print("max num is", max)
```

Output:

```
1 st num55  
2 nd num77  
3 rd num99  
  
max num is 99
```

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

```
txt = input("Enter string: ").lower()  
  
reversed_txt = txt[::-1]  
  
if txt == reversed_txt:  
    print("It is a palindrome")  
  
else:
```

```
print("It is not a palindrome")
```

Output:

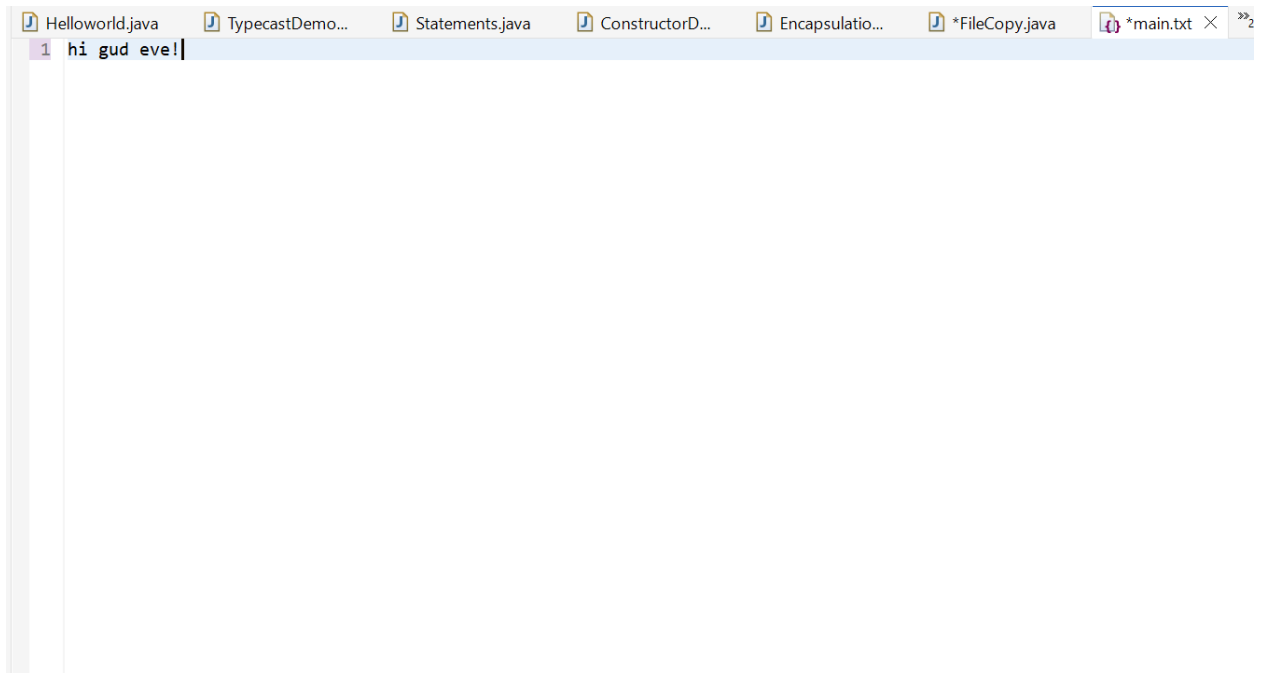
Enter string: MADAM

It is a palindrome

3. Write a Java program which performs file copy.

```
package com.training.ooc;
import java.io.*;
public class FileCopy {
public static void main(String[] args) {
    try {
        FileInputStream input = new
FileInputStream("C:\\Users\\nancy.m\\eclipse-workspace\\Javaworkspace\\src\\com\\training\\ooc\\main.txt
");
        FileOutputStream output = new FileOutputStream("result.txt");
        int data;
        while ((data = input.read()) != -1) {
            output.write(data);
        }
        input.close();
        output.close();
        System.out.println("File copied");
    } catch (IOException e) {
        System.out.println("An error occurred: " + e.getMessage());
    }
}
}
```

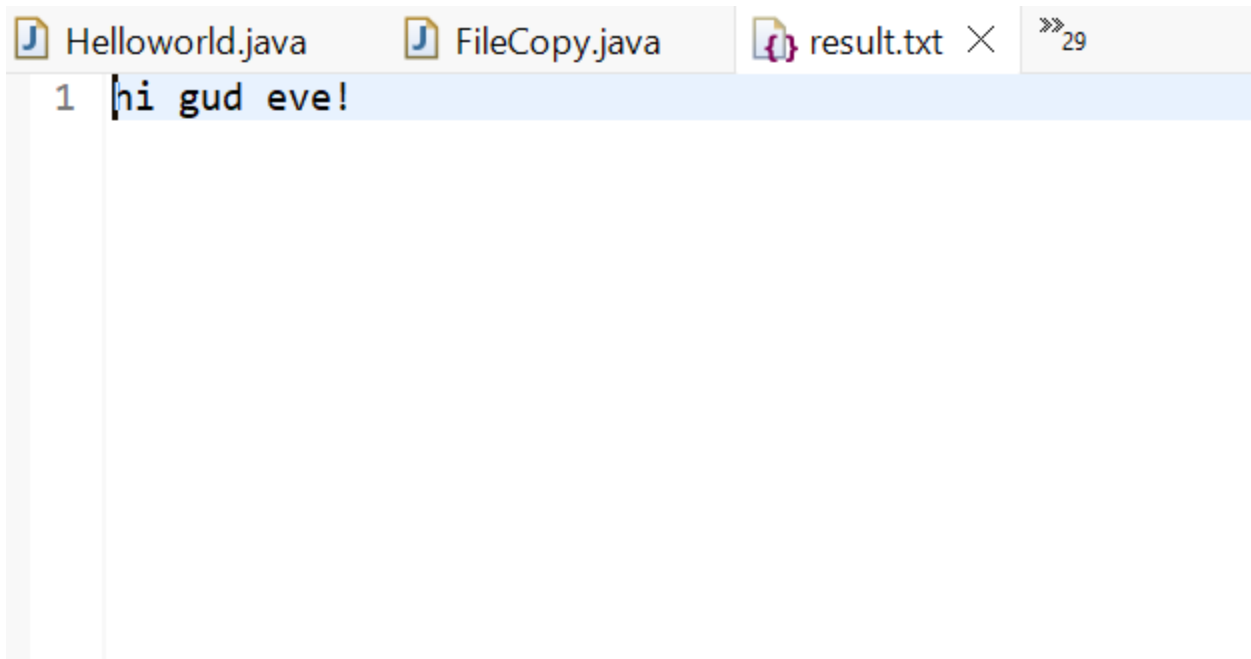
Main.txt:



The screenshot shows an IDE window with several tabs: Helloworld.java, TypecastDemo..., Statements.java, ConstructorD..., Encapsulatio..., *FileCopy.java, and *main.txt. The *main.txt tab is active, displaying the code `1 hi gud eve!` on line 1.

Output:

File copied

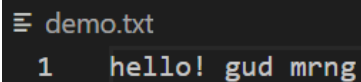


The screenshot shows an IDE window with three tabs: Helloworld.java, FileCopy.java, and result.txt. The FileCopy.java tab is active, displaying the code `1 hi gud eve!` on line 1. The result.txt tab is also visible, showing a file icon and the text '29'.

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

```
def file_statistics(filename):  
  
    with open(filename, 'r') as file:  
  
        lines = file.readlines()  
  
        line_count = len(lines)  
  
        word_count = sum(len(line.split()) for line in lines)  
  
        char_count = sum(len(line) for line in lines)  
  
  
        print("Num of lines:", line_count)  
  
        print("Num of words:", word_count)  
  
        print("Num of char:", char_count)  
  
file_statistics('demo.txt')
```

Demo.txt:

A screenshot of a text editor window titled 'demo.txt'. The editor has a dark background with light-colored text. The first line of the file is '1 hello! gud mrng', where the line number '1' is in the left margin and the text 'hello! gud mrng' is in the main editing area.

```
demo.txt  
1 hello! gud mrng
```

Output:

Num of lines: 1

Num of words: 3

Num of char: 15