TASK 13

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DATE : 24-07-2025

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

```
Enter new Number : 3
Enter new Number : 2
Enter new Number : 5
The maximum number is :  5
```

```python
def fm(a, b, c):
    if a>=b and a>=c:
        return a
    elif b>=a and b>=c:
        return b
    else:
        return c

n1 = int(input("Enter new Number : "))
n2 = int(input("Enter new Number : "))
n3 = int(input("Enter new Number : "))

maximum = fm(n1, n2, n3)
print("The maximum number is : ",maximum)
```

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

```
Enter a string: madam
It is a palindrome
```

```python
s = input("Enter a string: ")

if s == s[::-1]:
    print("It is a palindrome")
else:
    print("It is not a palindrome")
```

PROBLEM 3 : Write a Java program which performs file copy.

```
File copied successfully.
```

```java
package com.training2.ooc;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
public class FileCopy {
  public static void main(String[] args) {
    String sourceFile = "C:\\Users\\sanjeev.n\\Desktop\\py\\source.txt";
    String destFile = "C:\\Users\\sanjeev.n\\Desktop\\py\\dest.txt";
    try (FileInputStream fis = new FileInputStream(sourceFile);
      FileOutputStream fos = new FileOutputStream(destFile)) {
      int data;
      while ((data = fis.read()) != -1) {
        fos.write(data);
      }
      System.out.println("File copied successfully.");
    } catch (IOException e) {
      System.out.println("Error during file copy: " + e.getMessage());
    }
  }
}
```

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

```
Number of lines: 3
Number of words: 9
Number of characters: 35
```

```python
fn = "dest.txt"
lines = words = chars = 0

with open(fn, 'r') as file:
    for line in file:
        lines += 1
        words += len(line.split())
        chars += len(line)

print("Number of lines:", lines)
print("Number of words:", words)
print("Number of characters:", chars)
```