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.

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

num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
num3 = float(input("Enter third number: "))

maximum = max_of_three(num1, num2, num3)
print("The maximum of the three numbers is:", maximum)
```

OUTPUT:

```
PS C:\Users\subramaniya.k\Desktop\Day13-24-07-2025> & C:/Users/subramaniya.k/AppData/Local/Programs
/Python/Python312/python.exe c:/Users/subramaniya.k/Desktop/Day13-24-07-2025/prg1.py
Enter first number: 34
Enter second number: 50
Enter third number: 69
The maximum of the three numbers is: 69.0
```

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

```python
def is_palindrome(s):
    s = s.replace(" ", "").lower()
    return s == s[::-1]

input_str = input("Enter a string: ")

if is_palindrome(input_str):
    print("The string is a palindrome.")
else:
    print("The string is not a palindrome.")
```

OUTPUT:

```
● PS C:\Users\subramaniya.k\Desktop\Day13-24-07-2025> & C:/Users/subramaniya.k/AppData/Local/Programs
  /Python/Python312/python.exe c:/Users/subramaniya.k/Desktop/Day13-24-07-2025/prg2.py
  Enter a string: WOW
  The string is a palindrome.
● PS C:\Users\subramaniya.k\Desktop\Day13-24-07-2025> & C:/Users/subramaniya.k/AppData/Local/Programs
  /Python/Python312/python.exe c:/Users/subramaniya.k/Desktop/Day13-24-07-2025/prg2.py
  Enter a string: KARTHI
  The string is not a palindrome.
```

3.Write a Java program which performs file copy.

```java
package com.training.ooc;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
public class FileCopy {
  public static void main(String[] args) {

    String sourceFile = "Main.java";
    String destFile = "UserMain.java";
    try (FileInputStream fis = new FileInputStream(sourceFile);
        FileOutputStream fos = new FileOutputStream(destFile)) {
      byte[] buffer = new byte[1024];
      int length;
      while ((length = fis.read(buffer)) > 0) {
        fos.write(buffer, 0, length);
      }
      System.out.println("File copied successfully.");
    } catch (IOException e) {
      System.out.println("An error occurred during file copy:");
      e.printStackTrace();
    }
  }
}
```

OUTPUT:

File copied successfully.

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

```python
def count_file_stats(filename):
    lines = 0
    words = 0
    characters = 0

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

    return lines, words, characters


filename = input("Enter the filename: ")

try:
    lines, words, characters = count_file_stats(filename)
    print(f"Lines: {lines}")
    print(f"Words: {words}")
    print(f"Characters: {characters}")
except FileNotFoundError:
    print("File not found. Please check the filename and try again.")
```

OUTPUT:

```
PS C:\Users\subramaniya.k\Desktop\Day13-24-07-2025> & C:/Users/subramaniya.k/AppData/Local/Programs
/Python/Python312/python.exe c:/Users/subramaniya.k/Desktop/Day13-24-07-2025/prg3.py
Enter the filename: prg2.py
Lines: 10
Words: 31
Characters: 242
```