Lab Work (7-nov-2025)

1. **Write a program in python to copy data from one file into another file.**
   ```
   source = input("Enter source file name: ")
   destination = input("Enter destination file name: ")
   with open(source, "r") as f1:
       data = f1.read()
   with open(destination, "w") as f2:
       f2.write(data)
   print("Data copied successfully!")
   ```
   Example:
   Hello Python!
   File handling example.
   Output
   Enter source file name: source.txt
   Enter destination file name: newfile.txt
   Data copied successfully!

2. **Write a program in python to count number of vowels into the given file.**
   ```
   filename = input("Enter file name: ")
   vowels = "aeiouAEIOU"
   count = 0
   with open(filename, "r") as f:
       for ch in f.read():
           if ch in vowels:
               count += 1
   print("Total number of vowels:", count)
   ```
   Example:
   Python is Fun
   Output
   Enter file name: data.txt
   Total number of vowels: 4

3. **Write a program to count number of lines into the given file.**
   ```
   filename = input("Enter file name: ")
   with open(filename, "r") as f:
       lines = f.readlines()
   print("Total number of lines:", len(lines))
   ```
   Example:
   I love Python.
   It is simple and powerful.
   Output:
   Enter file name: story.txt
   Total number of lines: 2

4. **Write a program to count the number of characters into the given file.**
   ```
   filename = input("Enter file name: ")
   with open(filename, "r") as f:
       data = f.read()
   print("Total number of characters:", len(data))
   ```
   Example:
   Hello
   World
   Output
   Enter file name: notes.txt
   Total number of characters: 11