**Assignment No:-53**

Name:-Suryawanshi Sangramsingh Sambhaji

Batch: - Delta - DCA (Java) 2024 Date:-25/7/2024

**Q1.You have been given a task to analyze a text file using Java file handling. Your goal is to determine the frequency of each character present in the file. Write a Java program that reads the content of a specified text file and calculates the frequency of each character (including letters, digits, punctuation, and whitespace). Implement this program using file**

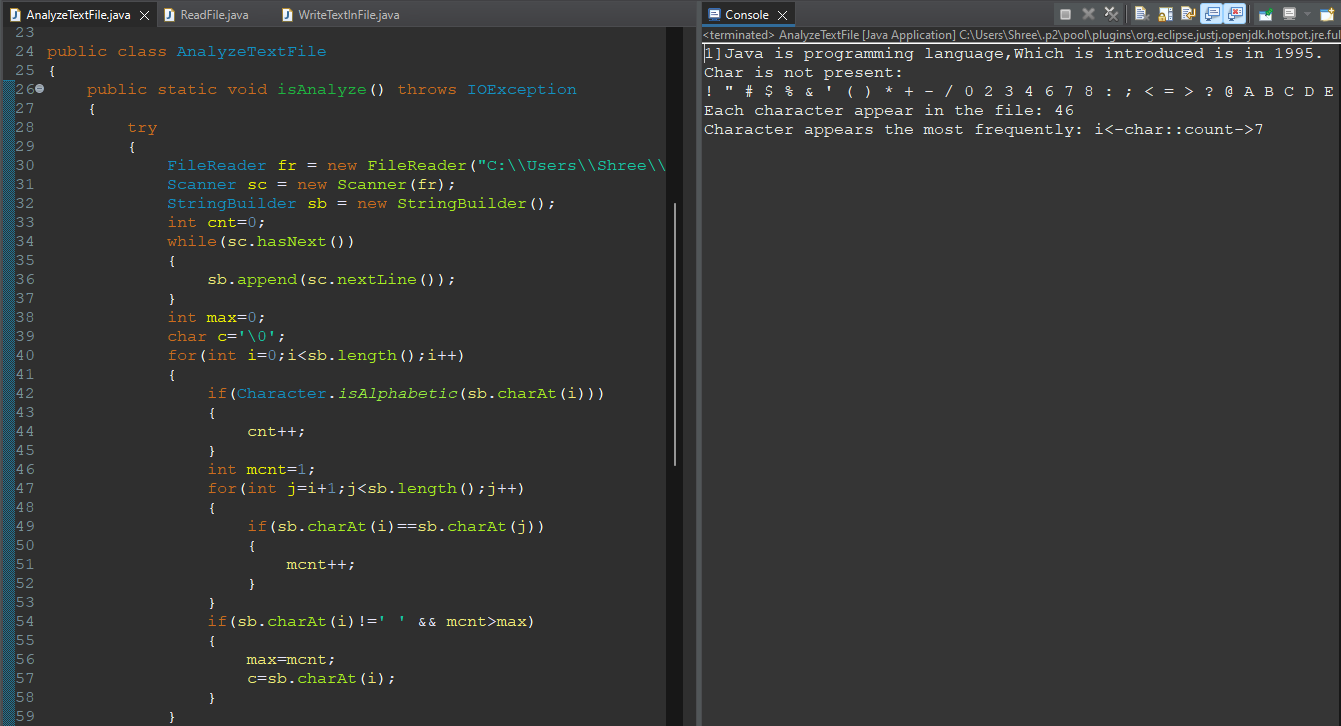
**handling concepts in Java.**

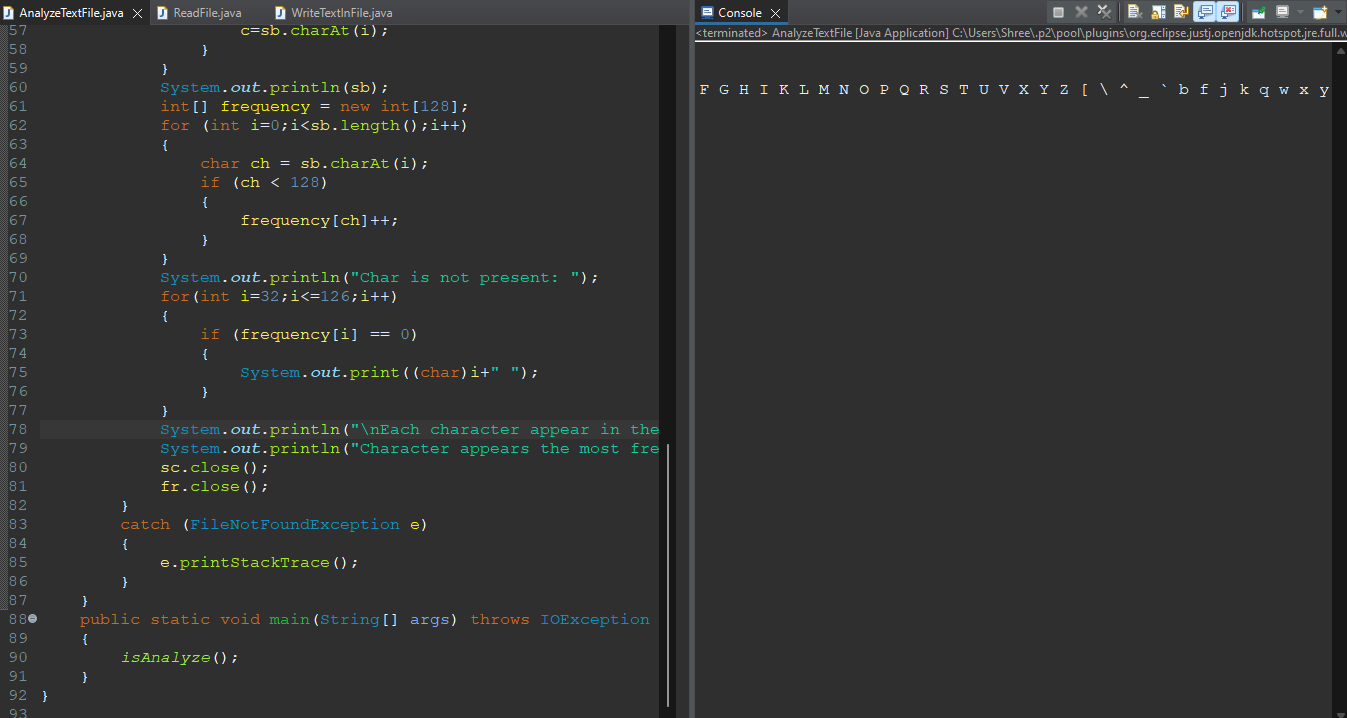
**Your program should be able to answer the following questions:**

**1.How many times does each character appear in the file?**

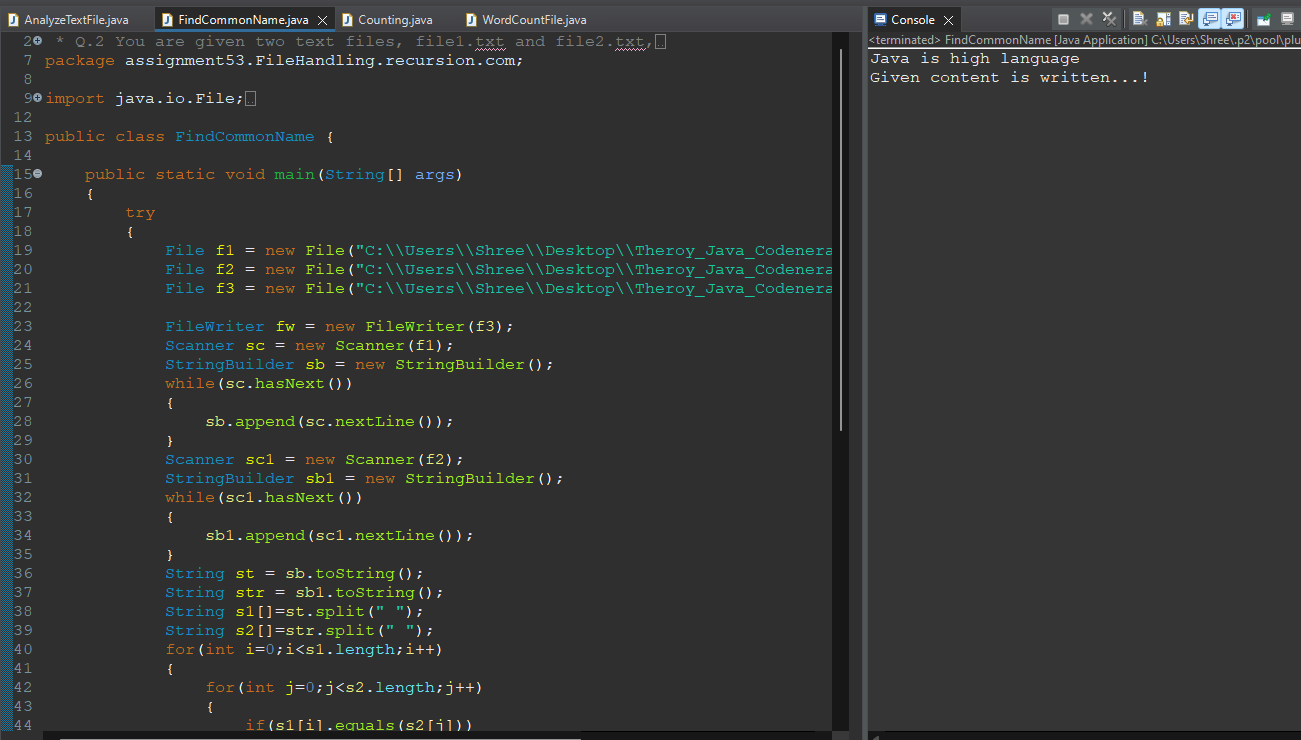
**2.Which character appears the most frequently?**

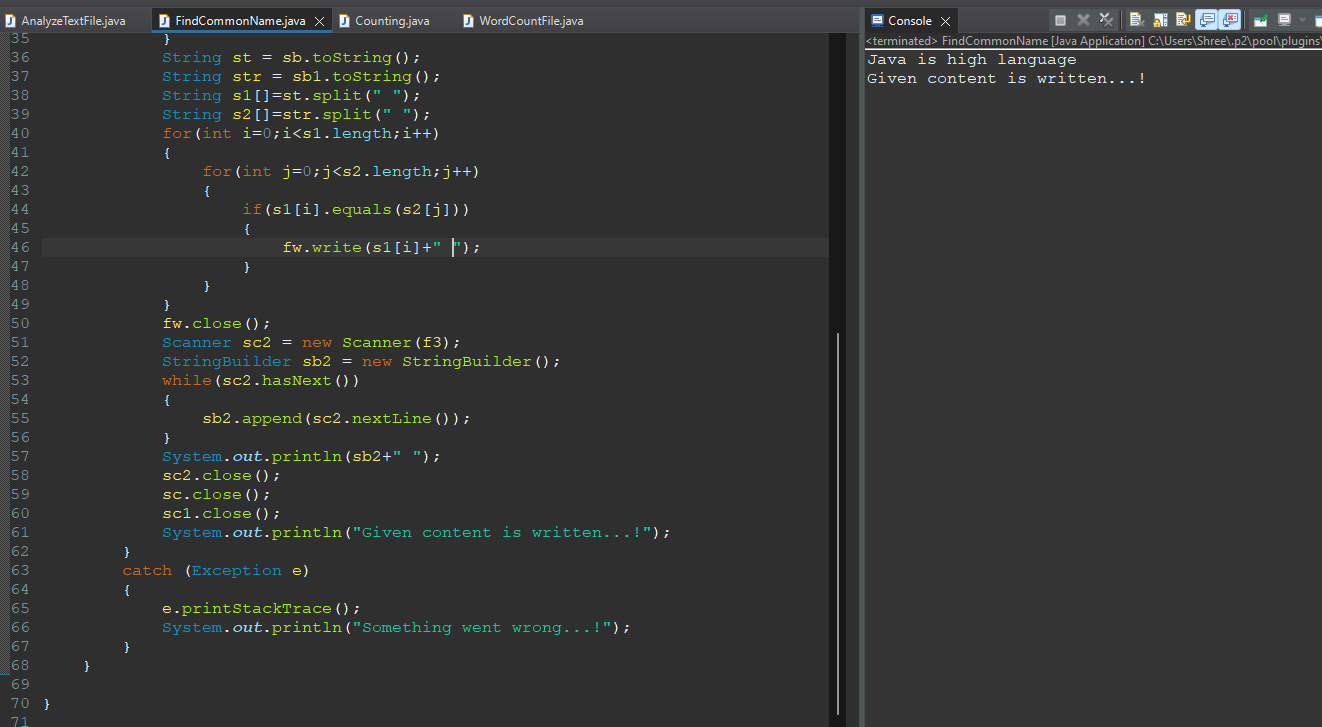
**3.Are there any characters that do not appear in the file?**

****

****

**Q.2 You are given two text files, file1.txt and file2.txt, both of which contain a list of names. Your task is to find names that are common to both files and write them to a new file called common\_names.txt.**

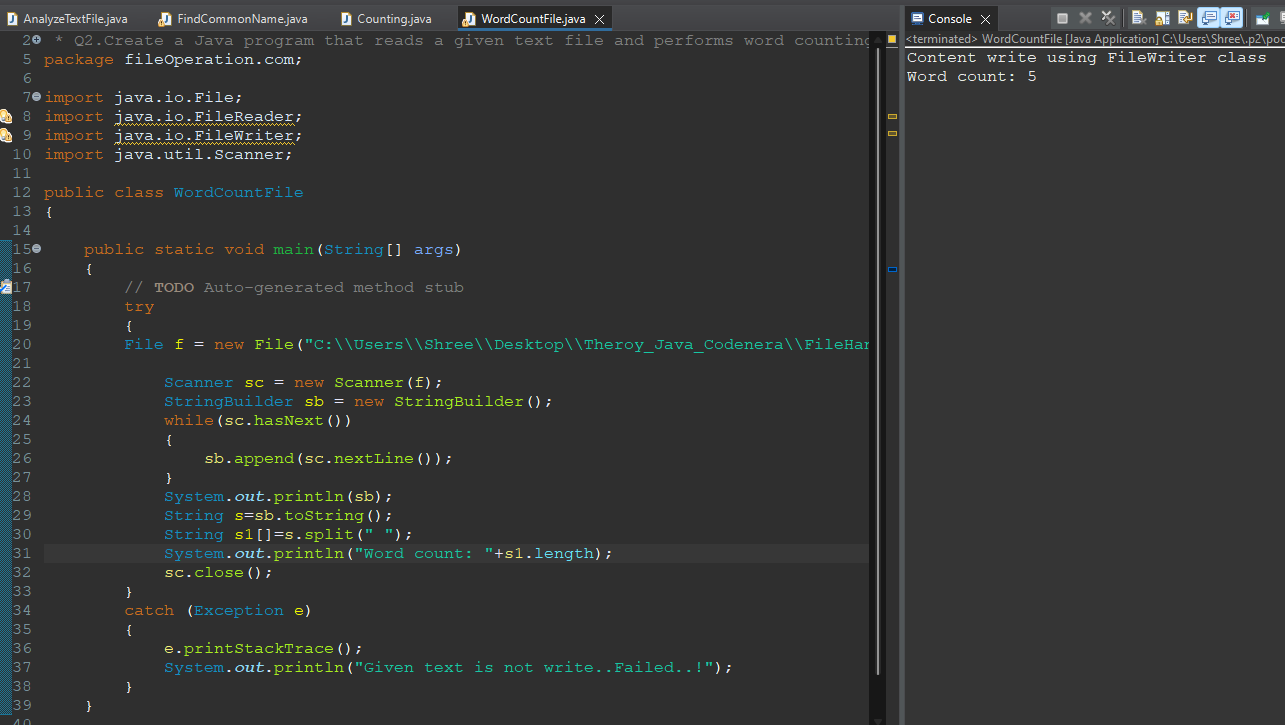
****

****

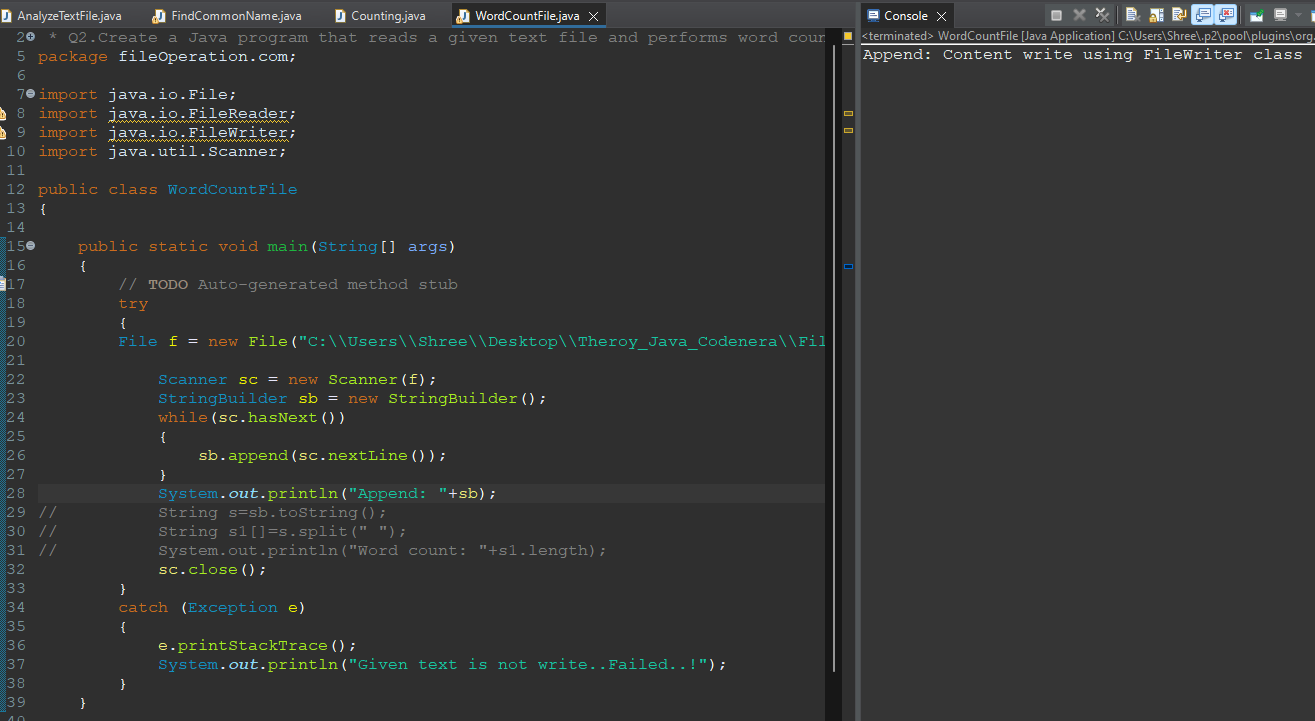
**Q3. Create a Java program that reads a given text file and performs word counting .**

**Consider whitespace and punctuation as word separators.**

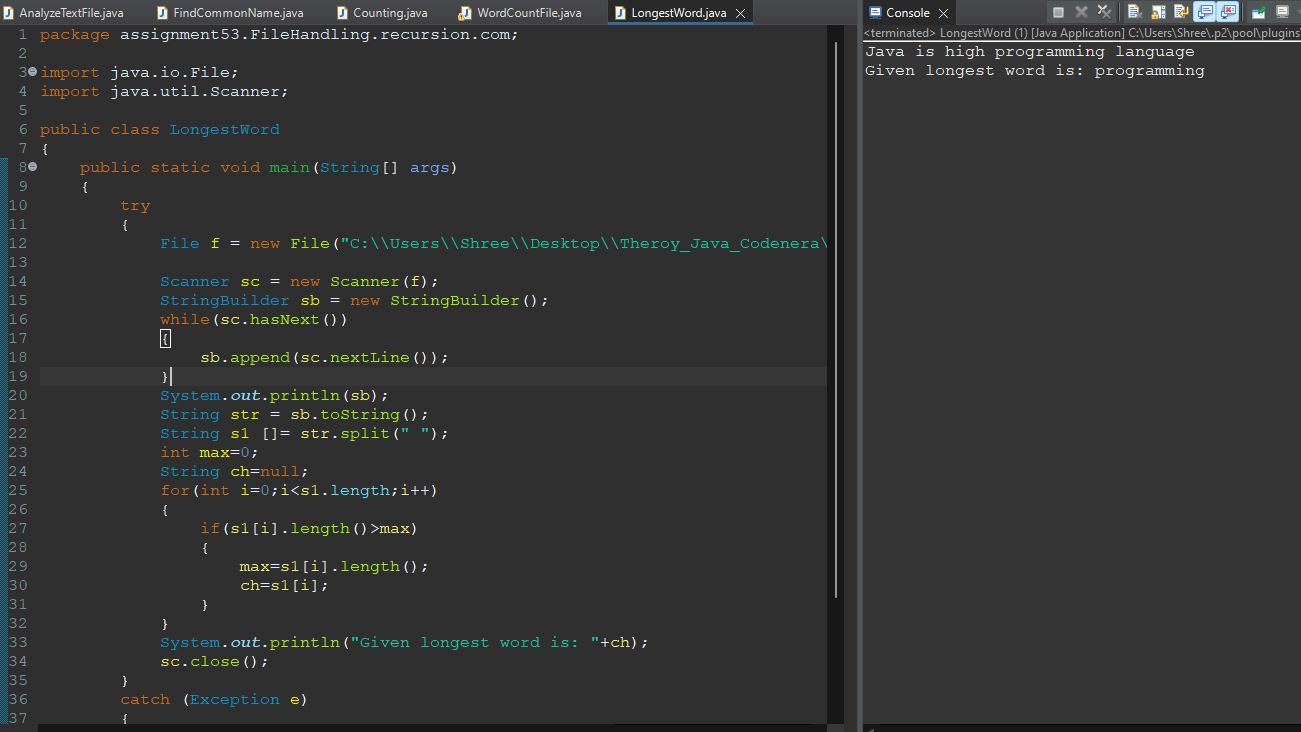
**Your program should display both the total word count and a list of unique words present in the file .**

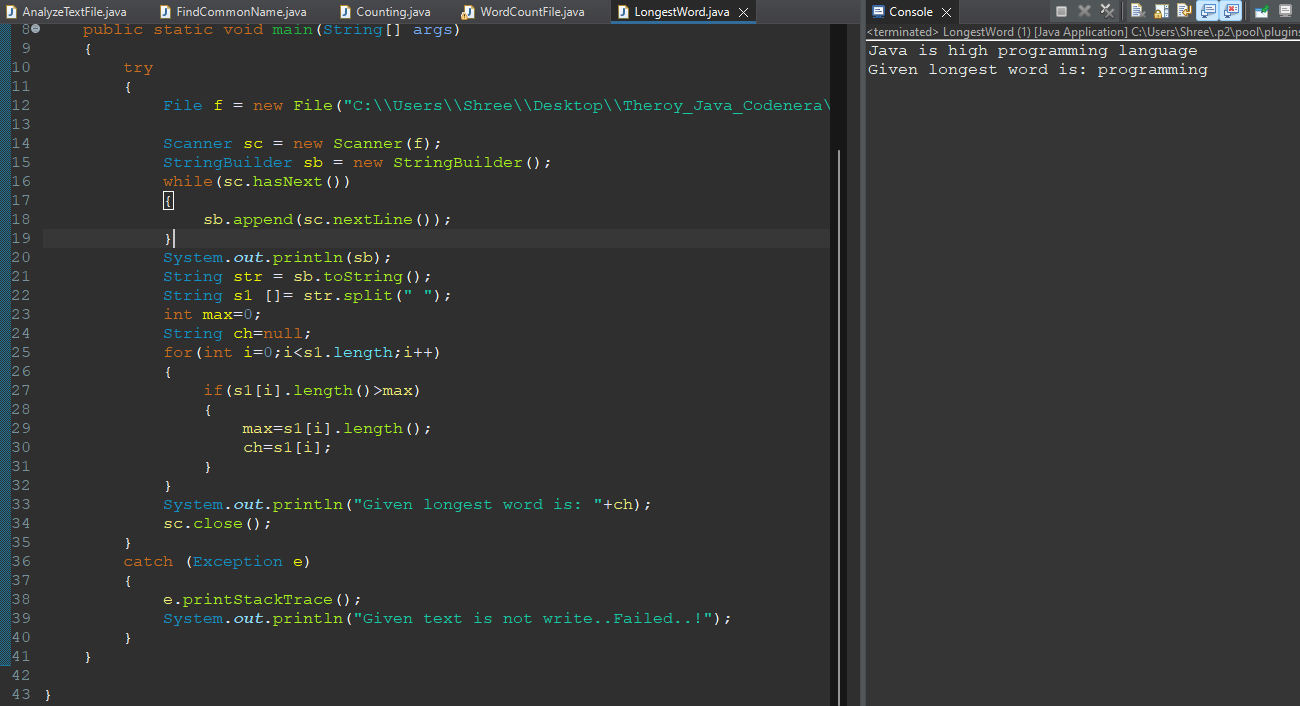
****

**Q4. Write a Java program to append text to an existing file.**

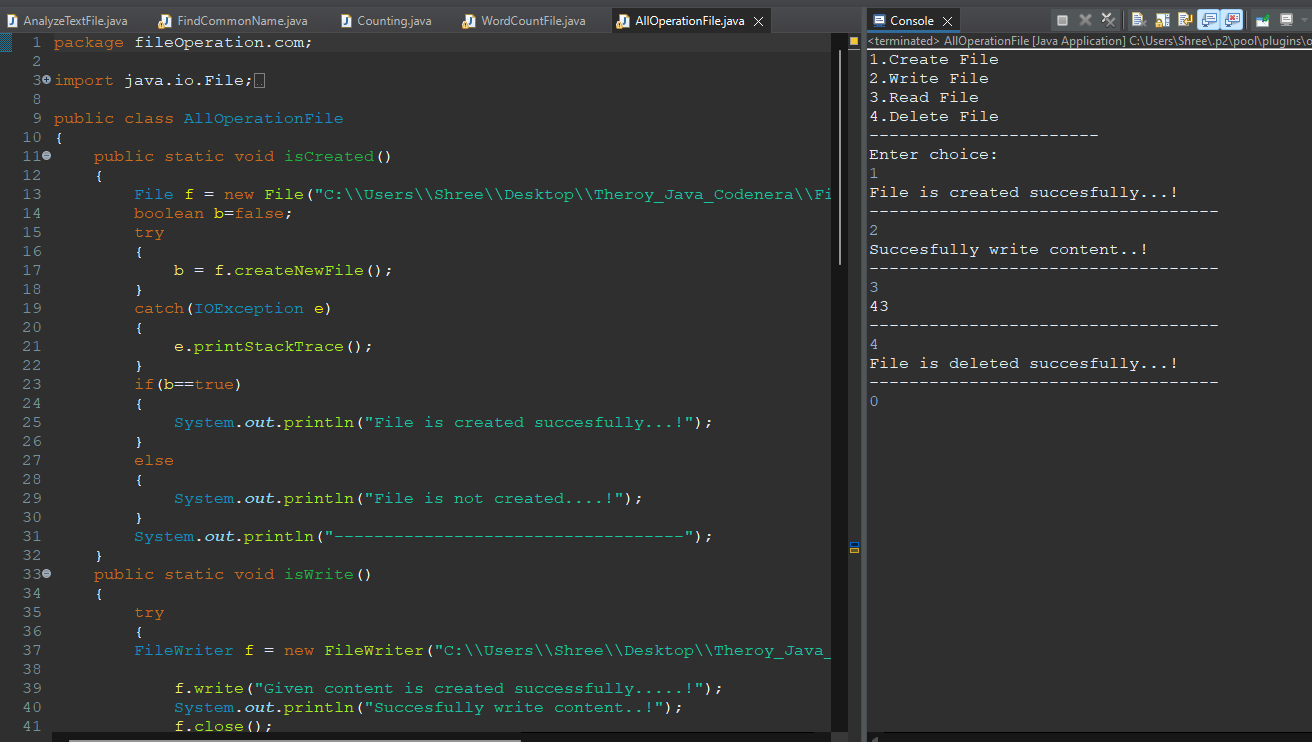
****

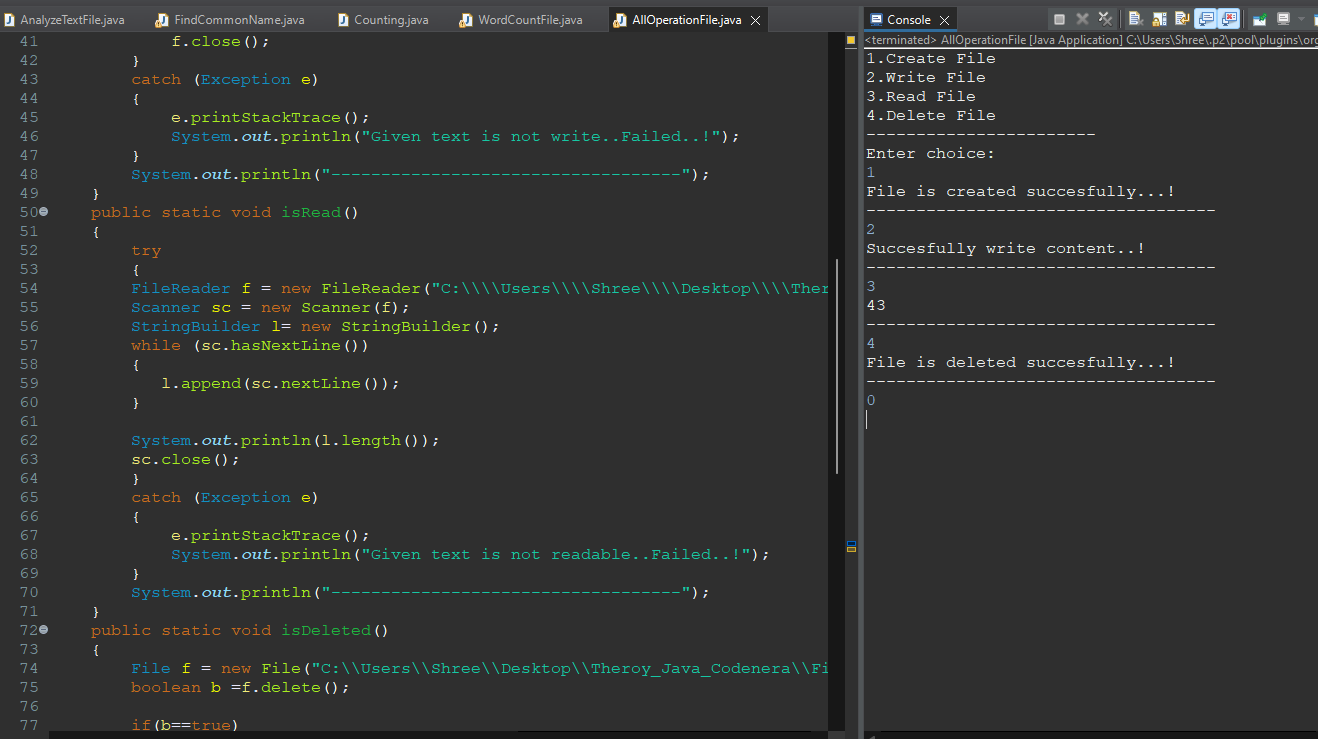
**Q5. Write a Java program to find the longest word in a text file.**

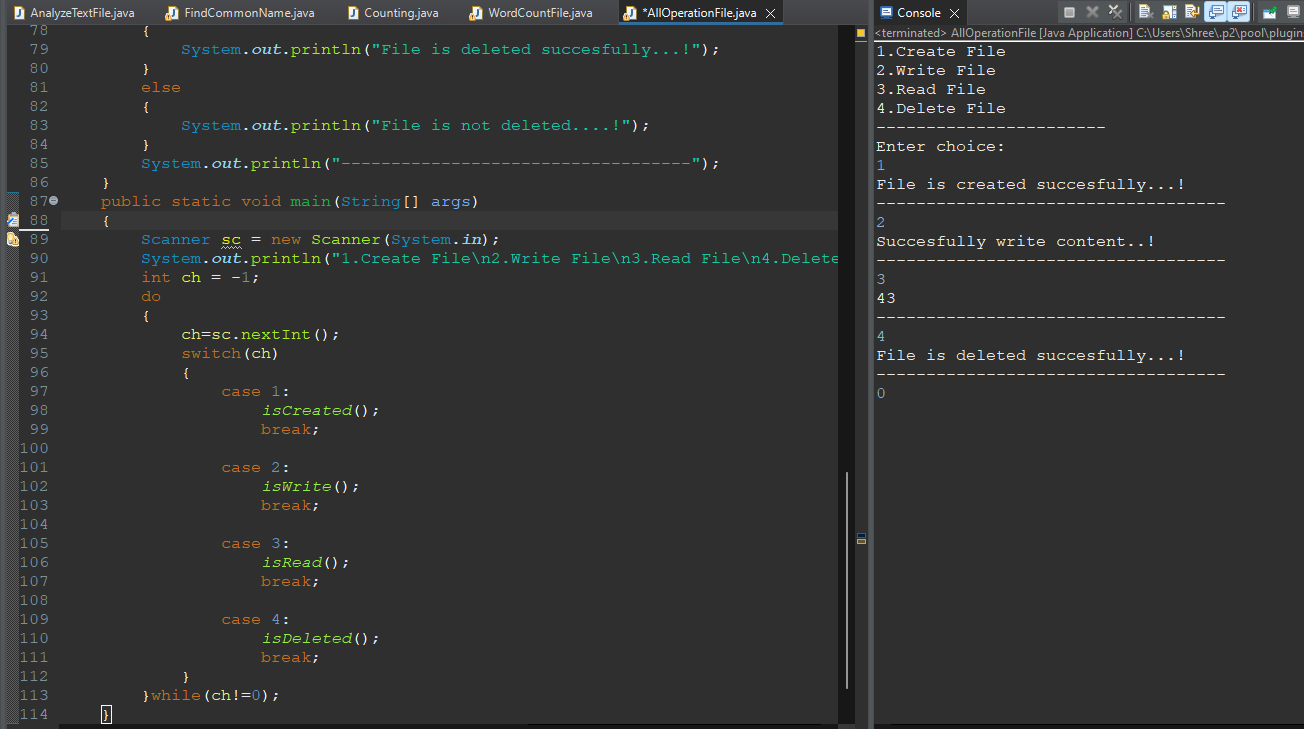
****

****

**Q6. write a java program to handle the all operations as per user choice ,Ex : 1. create file 2. write the content in file 3. read the content from file 4. delete the given file.**

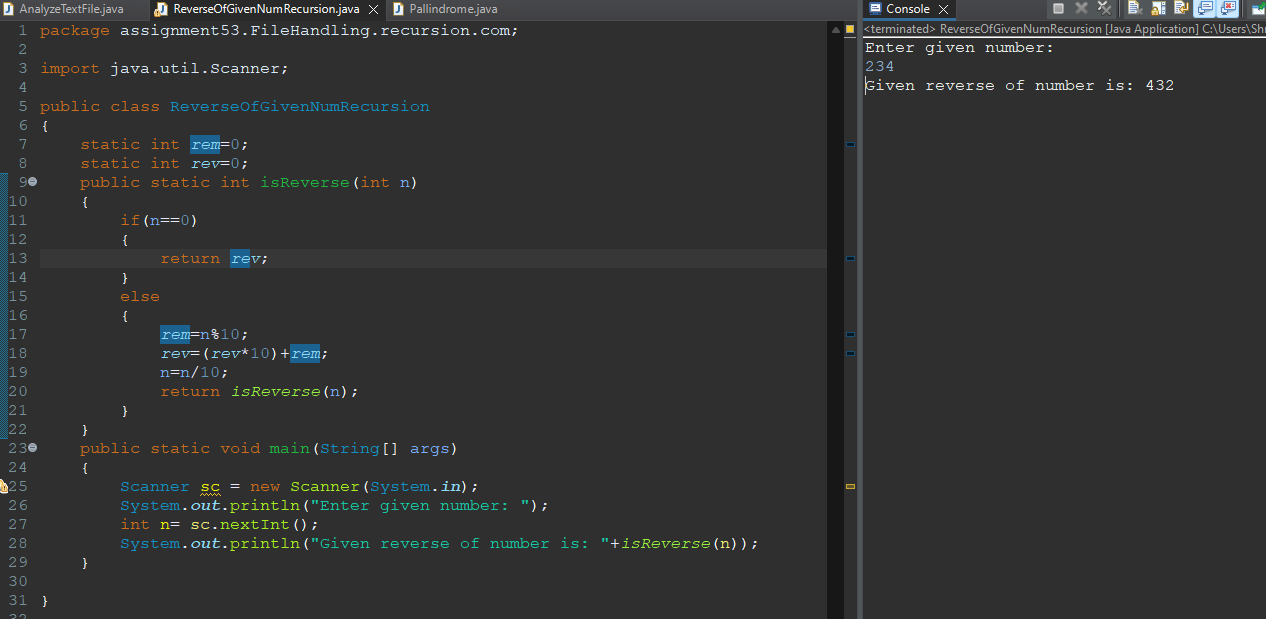
****

****

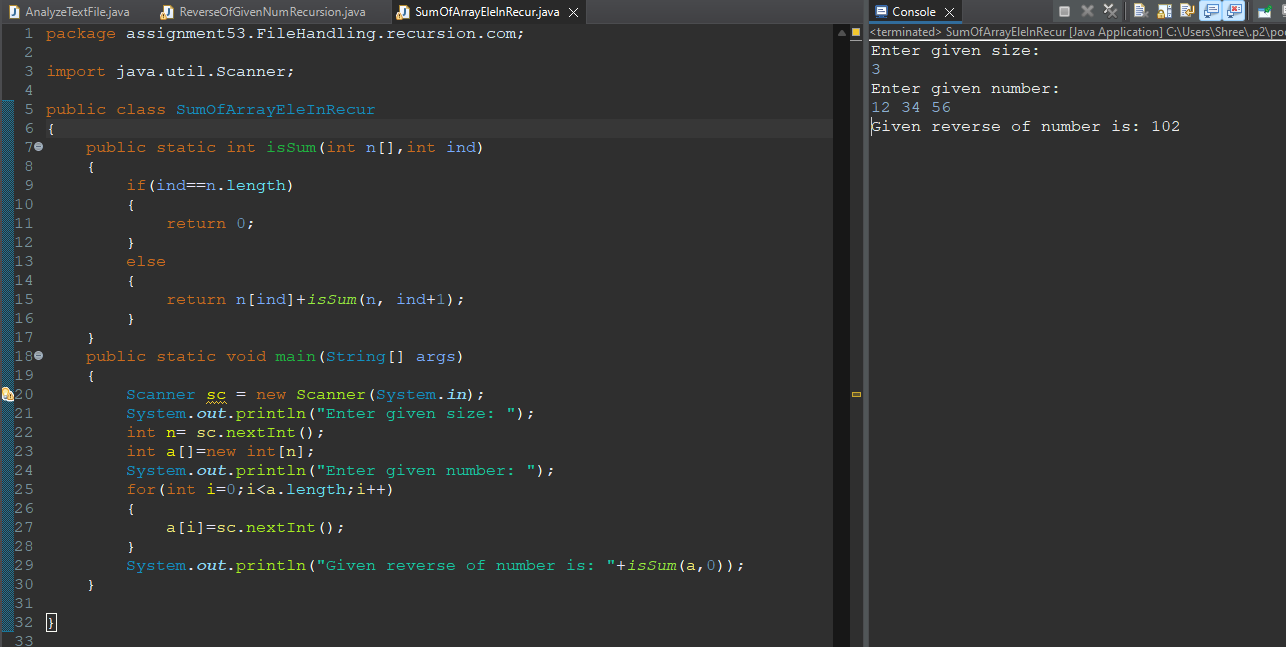
****

**---------------------------------------------------------------------------------------------------------------------**

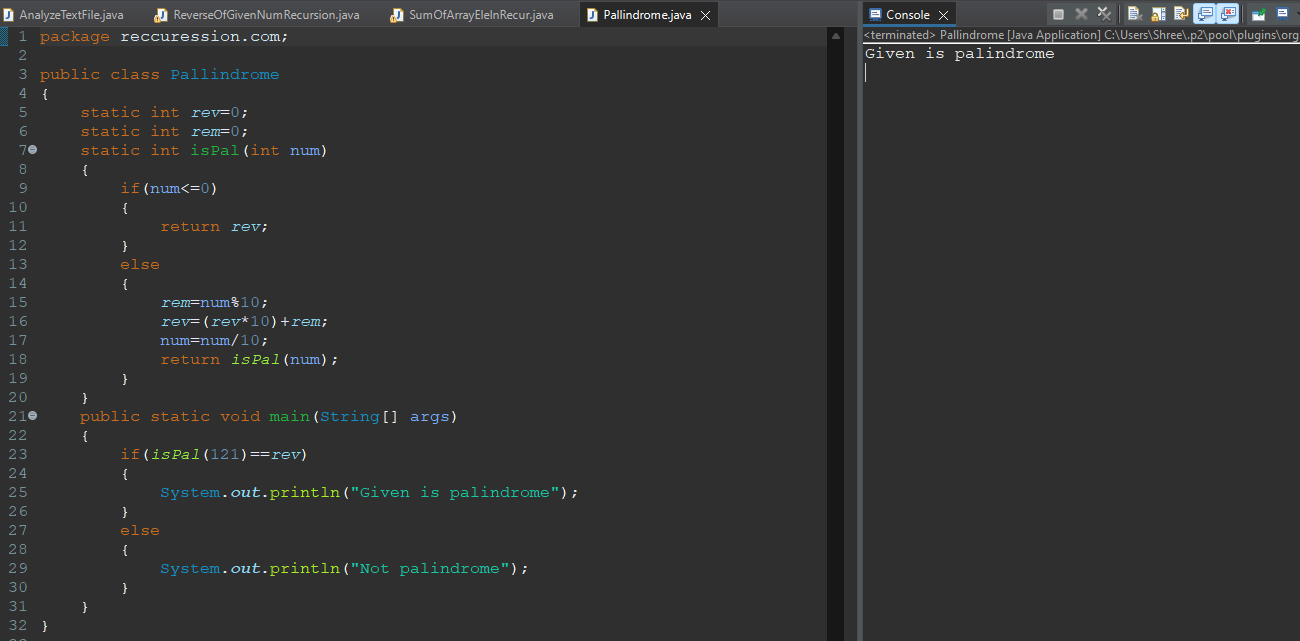
**Q1.Create a recursive function to find the Reverse of given number**

****

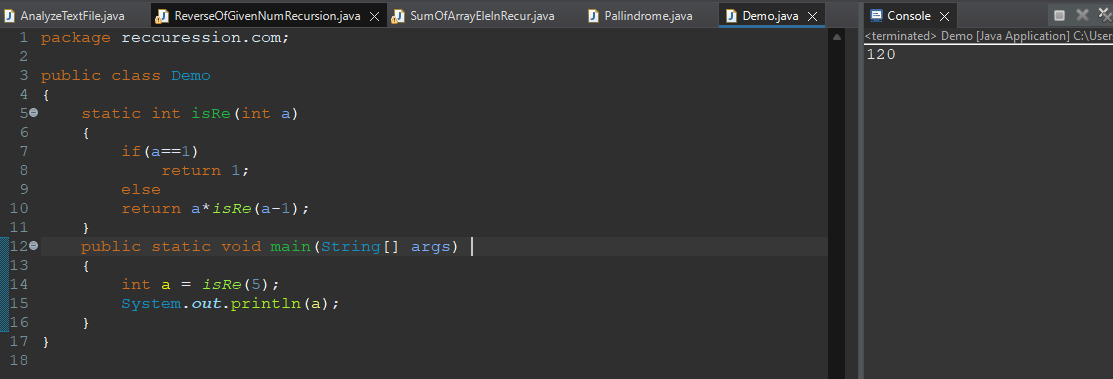
**Q2.Create a recursive function to find the sum of all elements in an array of integers in Java.**

****

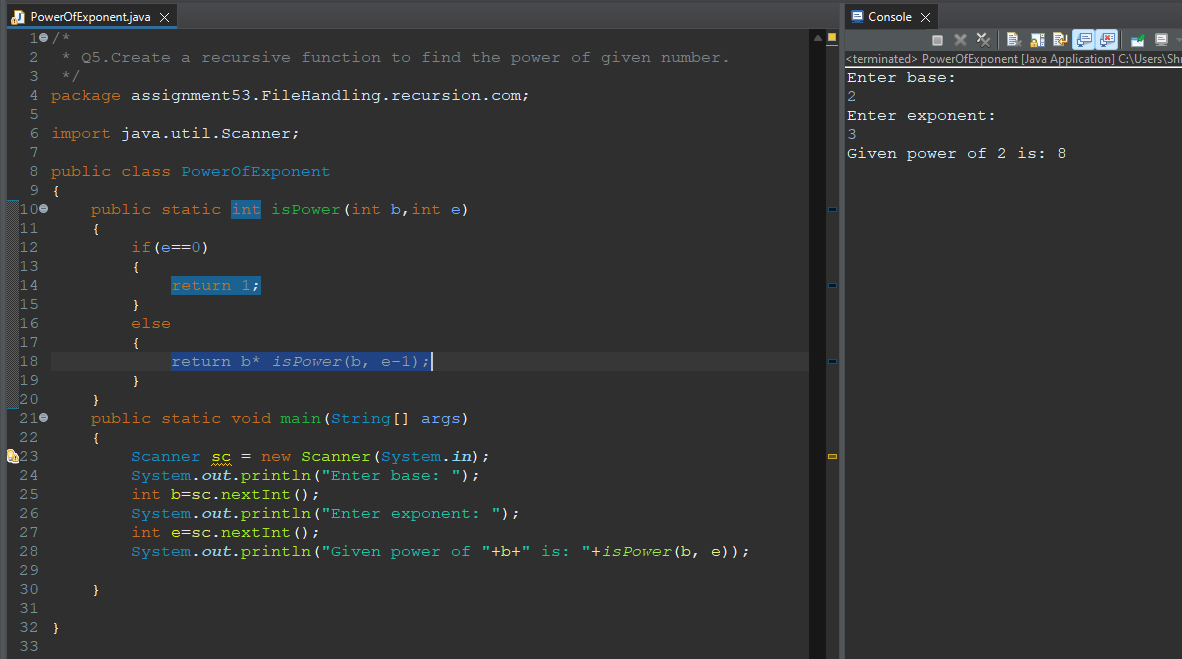
**Q3.Create a recursive function to check the given number is palindrome or not.**

****

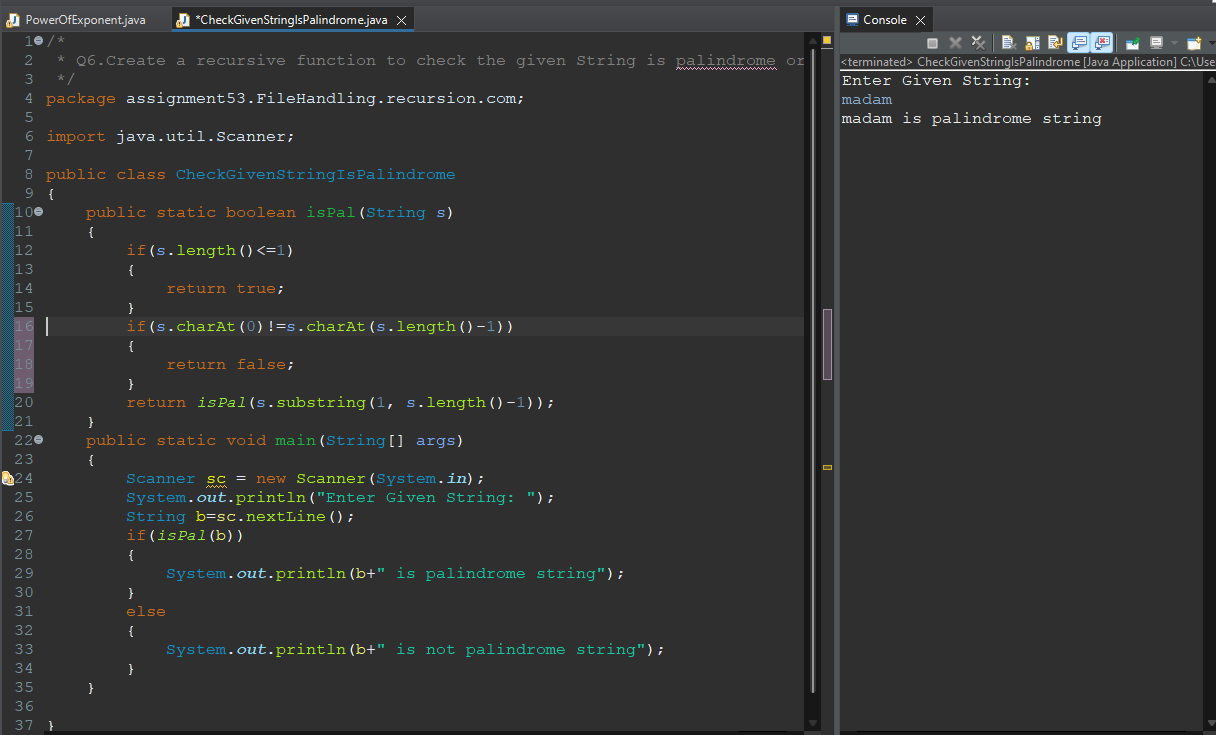
**Q4.Create a recursive function to find the factorial of given number.**

****

**Q5.Create a recursive function to find the power of given number.**

****

**Q6.Create a recursive function to check the given String is palindrome or not.**

****