JAVA ASSIGNMENT 4   STREAM: MCA

OBJECTIVE: TO KNOW THE USE OF STRING CLASS ,JAVA FILE PROCESSING AND SERIALIZATION.

1. Write a program that writes the following information in the file4.txt

   Object Oriented Programming world.
   Java is Object Oriented Programming Language.
   Java is Platform independent language.
   Java supports Multithreading. Java virtual machine is important. Java.

2. Write an application that Counts the number of words in the given String.
3. Write a program that reads character by character from the file file4.txt.
4. Write a program that reads line by line from the file file4.txt.
5. Write a program that count the total number of words and total lines in the file.(Use Proper class design)
6. Write a program that count the frequency of each words in the file.(Use Proper class design)
7. Write a program that takes input for a pattern ("Java") and search the pattern in the file4.txt and print the a) total occurrence of the pattern in the file b) line number where the pattern exists. c) Position where the pattern exists
8. Write a program that prints the total number of .txt or .TXT files in a folder. Print the content of the files one by one.
9. Write a Java application that copies the content of file4.txt into file6.txt.

10. Create a class Student. Student class has the following attributes with private access specification

    Name (String), roll, marks and year (String). Initialize the attributes, display the name, roll, marks and year (override toString function). Create the five student records, store them in a container (either use Array list or LinkedList).

    Write the student object into the file 8.txt. (Use the serialization concepts). Similarly read the student objects from the file and prints the information into console.