OOP LAB MODULE -II

1. Write an application that uses String method compareTo to compare two strings defined by the user.

2. Write an application that uses String method equals and equalsIgnoreCase to tests any two string objects for equality.

3. Write an application that uses String method indexOf to determine the total number of occurrences of any given alphabet in a defined text.

4. Write an application that uses String method concat to concatenate two defined strings.

5. Write a Java program to print all vowels in given string and count number of vowels and consonants present in given string

6. Write an application that finds the length of a given string.

7. Write an application that uses String method charAt to reverse the string.

8. Write an application that finds the substring from any given string using substring method and startsWith & endsWith methods.

9. Write an application that changes any given string with uppercase letters, displays it, changes it back to lowercase letters and displays it.

10. Write a program to display details of the required employee based on his Id. The details of employee includes, Emp_name, Emp_age, Emp_gender, Emp_designation, Emp_salary, Emp_Address etc.,

11. A mail-order house sells five products whose retail prices are as follows :
Product1 : Rs. 99.90 , Product 2 : Rs. 20.20 , Product 3 : Rs. 6.87 , Product 4 : Rs. 45.50 and Product 5 : Rs. 40.49 .
Each product has Prdouct_Id, Product_Name, Product_Quantity, Product_Price.
Write an application that reads a series of pairs of numbers as follows :
a) product Id
b) quantity sold
your program use a switch statement to determine the retail price for each product and it should calculate and display the total retail value of all products sold.

12. Write java program that inputs 5 numbers, each between 10 and 100 inclusive.
As each number is read display it only if it's not a duplicate of any number already read
Display the complete set of unique values input after the user enters each new value.

13. Write a java program : rolling a pair of dices 10 times [each attempt should be delayed by 10000 ms] and count number Successful attempts.
successful attempt : If the pair of Dice results in same values.

14. Implement the following case study using OOP concepts in Java.
E-Book stall :
Every book has Properties which includes : Book _Name, Book_Author, Book_Count ;
Every Customer is having properties as : Customer_Id, Customer_Name, Customer_Address and he can buy Books from E-Book stall.
Write a Program which will display the text book name and the remaining count of text books when a customer buys a text book.