Lab Assignment -2 II MCA OOP Lab

1. Write a java program for bank account to perform following operations.

Check balance

Withdraw amount

Deposit amount

1. Write a java program to create an abstract class named shape that contains two integers and an empty method named printArea(). Provide three classes named Rectangle, Triangle and Circle such that classes contains only the method printArea() that prints the area of the given shape.
2. Write a java program to implement call by value
3. Write a java program to implement call by reference
4. Write a java program to copy contents of one array to another array
5. Write a java program to merge two arrays into a single array
6. Write a java program to insert a new element into an array at the specified index
7. Write a java program to delete an element from an array, given the index of the element

Implement the following java programs from question 9 to question 21

1. Using string handling functions
2. Without using string handling functions
3. Search a character in a string
4. Count the number of occurrences of a character in a string
5. Replace all the occurrences of a character in a string with another character
6. Convert the characters
7. Lower case to upper case
8. Upper case to lower case
9. Find the first and last index of a substring from a given string
10. Reverse a string
11. Insert one string into another string at the specified index
12. Delete a sequence of characters from the given string.

Note: Startindex and Endindex are given as inputs to find the sequence of characters.

1. Sort an array of strings
2. Copy one string to another string
3. Extract a substring from a string
4. Replace a substring with a new string
5. Concatenate two strings
6. Write a java program to read a paragraph and find the number of
7. lowercase letters
8. uppercase letters
9. white spaces
10. special characters
11. lines
12. sentences