Assignment Question

Assignment Solution :-

Q1.Write a java program to Reverse a string without using the inbuilt method .
Ans.

```java
import java.util.Scanner;

class ReverseString
{
public static void main(String args[])
{
String s;
Scanner sc=new Scanner(System.in);
System.out.print("Enter a String: ");
s=sc.nextLine();
System.out.print("After reverse string is: ");
for(int i=s.length();i>0;--i)
{
System.out.print(s.charAt(i-1));
}
}
}
```

Q2. Write a java program to know whether the given string is palindrome
Ans.

```java
public class PalindromeString
{
    public static void main(String[] args) {
        String string = "Vaishavi";
        boolean flag = true;


        string = string.toLowerCase();
```

```java
        for(int i = 0; i < string.length()/2; i++){

            if(string.charAt(i) != string.charAt(string.length()-i-1)){

                flag = false;

                break;

            }

        }

        if(flag)

            System.out.println("Given string is palindrome");

        else

            System.out.println("Given string is not a palindrome");

    }

}
```

Q3.Write a java program to convert uppercase to lower case and vice versa.
Ans.

```java
public class changeCase {

    public static void main(String[] args) {


        String str1="hello java ";

        StringBuffer newStr=new StringBuffer(str1);


        for(int i = 0; i < str1.length(); i++) {



            if(Character.isLowerCase(str1.charAt(i))) {



                newStr.setCharAt(i, Character.toUpperCase(str1.charAt(i)));

            }
```

```java
        else if(Character.isUpperCase(str1.charAt(i))) {


            newStr.setCharAt(i, Character.toLowerCase(str1.charAt(i)));

        }

    }

    System.out.println("String after case conversion : " + newStr);

  }

}
```

Q4.Write a java program to remove a particular character from a string.
Ans.
```java
public class RemoveChar {

  public static void main(String[] args) {

        String str = "I love my family";

        System.out.println(charRemoveAt(str, 7));

    }

    public static String charRemoveAt(String str, int p) {

      return str.substring(0, p) + str.substring(p + 1);

    }

}
```

Q5.Write a java program to find the index of a substring.
Ans.
```java
public class IndexOfExample{

public static void main(String args[]){

String s1="this is index of example";

int index1=s1.indexOf("is");

int index2=s1.indexOf("index");

System.out.println(index1+"  "+index 2);
```

```java
int index3=s1.indexOf("is",4);
System.out.println(index3);
int index4=s1.indexOf('s');
System.out.println(index4);
}}
```