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

*class* Reverse {

*public void* reverseString(String st){

*int* strLength = st.length(); *// string length*

String temp = st; *// string copy stored in temp variable*

*for*(*int* i=st.length();i>0;i--){

System.***out***.print(st.charAt(i-1));

}

}

}

*public class* ReverseString {

*public static void* main(String[] args){

String str = "usama";

Reverse obj = *new* Reverse();

obj.reverseString(str);

}

}

1. Write a java program to know whether the given string is palindrome or not

*class* CheckPalindrome{

*public void* reverse(String st){

String temp = st;

String resul = "";

*for*(*int* i=st.length()-1;i>=0;i--){

resul = resul + st.charAt(i);

}

*if*(resul.equalsIgnoreCase(temp)){

System.***out***.println("palindrome string is "+temp);

}

*else*{

System.***out***.println("Non-palindrome string:- "+temp);

}

}

}

*public class* Palindrome {

*public static void* main(String[] args){

String str = "Radar";

CheckPalindrome cp = *new* CheckPalindrome();

cp.reverse(str);

}

}

1. Write a java program to convert uppercase to lowercase and viceversa.

*public class* UpperLowerCase {

*// program :- uppercase char in string converted to lowercase and lowercase character in string converted to uppercase*

*public static void* main(String[] args){

String str = "Usama Khan";

String res = "";

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

*if*(Character.*isUpperCase*(str.charAt(i))){

res = res + Character.*toLowerCase*(str.charAt(i));

}

*else*{

res = res + Character.*toUpperCase*(str.charAt(i));

}

}

System.***out***.println("new string = "+res);

}

}

1. Wite a java program to remove a particular character from a given string.

*import* java.util.Scanner;

*public class* RemoveChar {

*public static void* main(String[] args){

Scanner sc = *new* Scanner(System.***in***);

String newStr = "";

System.***out***.print("Enter a String:- ");

String str = sc.nextLine();

System.***out***.print("Enter a character to remove from string:- ");

*char* chara = sc.next().charAt(0);

*//System.out.println(chara);*

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

*if*(chara != str.charAt(i)){

newStr = newStr + str.charAt(i);

}

}

System.***out***.println("new string is:- "+newStr);

}

}

1. Write a java program to find the index of substring.

*import* java.util.Scanner;

*public class* FindIndexSubString {

*public static void* main(String[] args){

Scanner sc = *new* Scanner(System.***in***);

System.***out***.println("Enter a string");

String str1 = sc.nextLine();

System.***out***.println("Enter a sub string and find index of that substring");

String subStr = sc.nextLine();

*char* firstChar = subStr.charAt(0);

String s2 = String.*valueOf*(firstChar);

*// System.out.println(s2);*

*int* ind = str1.indexOf(subStr);

System.***out***.println("index of substring = "+ind);

}

}