**Assignment 3**

**1]ANS:-**

import java.util.Scanner;

public class StrLength{

public static void main(String[] args) {

// TODO Auto-generated method stub

System.out.print("Enter a string : ");

Scanner scanner = new Scanner(System. in);

String str = scanner.nextLine();

System.out.println("Length of string : \n"+str.length());

}

}

**2]ANS:-**

import java.util.Scanner;

public class StrConcat {

public static void main(String[] args) {

Scanner scanner = new Scanner(System. in);

System.out.println("Enter first String : ");

String str1 = scanner.nextLine();

System.out.print("Enter second string : ");

String str2 = scanner.nextLine();

String str=str1.concat(str2);

System.out.println("Display Concatenated String: \n "+str);

}

}

**3]ANS:-**

import java.util.Scanner;

public class Strmethods {

public static void main(String[] args) {

Scanner scanner = new Scanner(System. in);

String checkstr="Java string pool refers to collection of strings which are stored in heap memory";

System.out.println("Enter String : ");

String str = scanner.nextLine();

System.out.println("LowerCase of String: \n "+str.toLowerCase());

System.out.println("UpperCase of String: \n "+str.toUpperCase());

System.out.println("Replace all 'a' characters in String with $ sign: \n "+str.replace('a', '$'));

System.out.println("Contains Collection word in String: \n "+str.contains("collection"));

System.out.println("Match method of String: \n "+str.matches(checkstr));

System.out.println("Matches the String: \n "+str.equalsIgnoreCase(checkstr));

}

}

**4]ANS:-**

class Strbuffer{

public static void main(String args[]){

StringBuffer sb=new StringBuffer();

sb.append("StringBuffer ");

sb.append("is a peer class of string ");

sb.append("that provides much of ");

sb.append("the functionality of strings");

System.out.println(sb);

}

}

**5]ANS:-**

class Strbuffer{

public static void main(String args[]){

StringBuffer sb=new StringBuffer("It is used to at the specified index position");

sb.insert(14, "insert text");

System.out.println(sb);

}

}

**6]ANS:-**

class Strbuffer{

public static void main(String args[]){

StringBuffer sb=new StringBuffer("This method returns the reversed object on which it was called");

sb.reverse();

System.out.println(sb);

}

}

**7]ANS:-**

class Strbuilder{

public static void main(String args[]){

StringBuilder s1=new StringBuilder();

s1.append("StringBuilder ");

s1.append("is a peer class of string ");

s1.append("that provides much of ");

s1.append("the functionality of strings");

System.out.println(s1);

StringBuilder s2=new StringBuilder("It is used to at the specified index position using stringbuilder");

s2.insert(14, "insert text");

System.out.println(s2);

StringBuilder s3=new StringBuilder("This method returns the reversed object on which it was called");

s3.reverse();

System.out.println(s3);

}

}