**Assignment Que 4**

1.Write a simple String program to take input from user

**package** Stings;

**import** java.util.\*;

**public** **class** InputString {

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

// **TODO** Auto-generated method stub

System.***out***.println("Enter your String");

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

String input=sc.nextLine();

}

}

2. How do you concatenate two strings in Java? Give an Example.

By using the + operator and concat Method in java

**package** Stings;

**public** **class** StringConcatenation {

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

// **TODO** Auto-generated method stub

String s1="Saurabh";

String s2="Shiyekar";

String s3;

s3=s1+" "+s2;

System.***out***.println(s3);

}

}

Or

**package** Stings;

**public** **class** StringConcatenationMethod {

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

// **TODO** Auto-generated method stub

String s1="Saurabh";

String s2="Shiyekar";

String s3;

s3=s1.concat(s2);

System.***out***.println(s3);

}

}

**Example:- by using the + operator we can two String and also use the String Concatenation Method**

**String3= String1+String2**

3. How to find the length of a String in Java Explain with an Example.

**The simplest way to find the length of a string in Java is to use the length() method of the String class, int len = str. length(); This method returns the number of characters in the string. In this example, we have a string str with the value “Saurabh”.**

**package** Stings;

**public** **class** StringLength {

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

// **TODO** Auto-generated method stub

String str="Saurabh";

//System.out.println(s.length());

**int** len=str.length();

System.***out***.println("The String length is:" +len);

}

}

4. How do you compare two strings in java? Give an Example

1. **Using String.equals()**
2. **Using String.equalsIgnoreCase()**
3. **Using String.compareTo()**

1)

**package** Stings;

**public** **class** CompareStrings {

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

// **TODO** Auto-generated method stub

String s=**new** String("SAURABH");

String s1=**new** String("SAURABH");

System.***out***.println("the String compare :"+s.equals(s1));

}

}

2)

**package** Stings;

**public** **class** CompareStrings {

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

// **TODO** Auto-generated method stub

String s=**new** String("SAURABH");

String s1=**new** String("SAURABH");

System.***out***.println("the String compar:"+s.equalsIgnoreCase(s1));

}

}

3)

**package** Stings;

**public** **class** CompareStrings {

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

// **TODO** Auto-generated method stub

String s=**new** String("SAURABH");

String s1=**new** String("SAURABH");

System.***out***.println("the String compare :"+s.compareTo(s1));

}

}

5.Write a program to find the length of the string “refrigerator”

**package** Stings;

**public** **class** StringLength {

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

// **TODO** Auto-generated method stub

String str="refrigerator";

//System.out.println(s.length());

**int** len=str.length();

System.***out***.println("The String length is:" +len);

}

}

6. Write a program to check if the letter ‘e’ is present in the word “Umbrella”

package Stings;

public class FindChar {

public static void main(String[] args) {

// TODO Auto-generated method stub

String str="refrigerator";

boolean flag=false;

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

{

if(str.charAt(i)=='e')

{

flag=true;

}

}

if(flag==true)

{

System.out.println("The character is Present");

}

else

{

System.out.println("The character is not Present ");

}

}

}

Q7.Write a program to delete all consonants from the string “Hello, have a good day”.

**package** Stings;

**public** **class** RemovesChar {

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

// **TODO** Auto-generated method stub

String str="Hello, have a good day";

String nwstr="";

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

{ **char** ch=str.charAt(i);

**if**(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u')

{

}

**else**

{

nwstr=nwstr+ch;

}

}

System.***out***.println(nwstr);

}

}