**Strings in Java-Assignment**

Question 1: -**Write a simple String program to take input from the user ?.**

Ans: -

**package** hello;

**import** java.util.Scanner;

**public** **class** user\_input {

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

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

String str = sc.nextLine();

System.***out***.println("Enter a String=" + str);

}

}

Question 2: -**How to concatenate two String in java?Give an example.**

Ans: -In java we can concatenate two string using the **concat()** method.

**Example:-**

**package** hello;

**import** java.util.Scanner;

**public** **class** concat\_twoString{

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

String str = "welcome to";

str = str.concat(" PwSkill");

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

}

}

Question 3: -**How do find the length of a string in java Explain with an example?**

Ans -To calculate the length of a string in Java, we can **use an inbuilt length() method of the Java string class**. In Java, strings are objects created using the string class and the length() method is a public member method of this class.

**Example:-**

**package hello;**

**import java.util.Scanner;**

**public class length\_ofString {**

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

**String str = "welcome to";**

**str = str.concat(" PwSkill");**

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

**System.*out*.println("length of Str="+str.length());**

**}**

**}**

Question 4: -**How to compare two string in java?Give an example.**

Ans: -To compare two strings in Java, we can **use an inbuilt method of the Java string class and (==)operator.**

**1.(==)Operator:-it’s return boolean value**

**2.equals() method:-**it’s return boolean value

**3.equalsIgnoreCase() method: -**it’s return boolean value

**4.compareTo() method:-**

**5.compareToIgnoreCase() method**

**package hello;**

**import java.util.Scanner;**

**public class compare\_String {**

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

**String str = "PWSKILL";**

**String str1="pwskill";**

**System.*out*.println(str==str1);**

**System.*out*.println(str.equals(str1));**

**System.*out*.println(str.equalsIgnoreCase(str1));**

**System.*out*.println(str.compareTo(str1));**

**System.*out*.println(str.compareToIgnoreCase(str1));**

**}**

**}**

Question 5: -**Write a program to find the length of the string”refrigerator”.**

**Ans: -**

**package hello;**

**import java.util.Scanner;**

**public class length\_Of\_refrigerator {**

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

**String str = "refrigerator";**

**System.*out*.println("length of refrigerator="+str.length());**

**}**

**}**

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

Ans: -

**package** hello;

**import** java.util.Scanner;

**public** **class** find\_character{

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

String str = "Umbrella";

**char**[] ch = str.toCharArray();

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

**if** (ch[i] == 'e')

{

System.***out***.println("yes e is present in Umbrella");

}

}

}

}

Question 7: -**write a program to delete all consonants from the string “Hello,have a good day”.**

Ans: -

**package** hello;

**import** java.util.Arrays;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** iteratingArray {

**static** **boolean** isAlphabet(**char** ch) {

**if** (ch >= 'a' && ch <= 'z')

**return** **true**;

**if** (ch >= 'A' && ch <= 'Z')

**return** **true**;

**return** **false**;

}

**static** String remConsonants(String str) {

Character vowels[] = { 'a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U' };

List<Character> arr\_list = Arrays.*asList*(vowels);

// System.out.println(arr\_list);

StringBuilder sb = **new** StringBuilder(str);

// System.out.println(sb);

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

**if** (*isAlphabet*(sb.charAt(i)) && !arr\_list.contains(sb.charAt(i))) {

sb.replace(i, i + 1, "");

i--;

}

}

**return** sb.toString();

}

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

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

System.***out***.println(*remConsonants*(str));

}

}