**STRINGS IN JAVA**

QUES-1) WHAT IS STRING IN JAVA?

ANS) THE COLLECTION OF CHARACTER ENCLOSED WITHIN “ ”.

QUES-2) TYPES OF STRING IN JAVA ARE?

ANS) THERE ARE TWO TYPES OF STRING IN JAVA :-

1. MUTABLE STRING
2. IMMUTABLE STRING

QUES-3) IN HOW MANY WAYS YOU CAN CREATE STRING OBJECT IN JAVA?

ANS) THERE ARE 2 WAYS TO CREATE STRING OBJECT IN JAVA :-

1. BY ASSIGNING THEM DIRECLTY-

String s1 = “Prashant”;

1. BY USING NEW KEYWORD-

String s2 = new String(“Prashant”);

QUES-4) WHAT IS A STRING CONSTANT POOL?

ANS) THE SCP IS SPECIAL TYPE OF MEMORY SPACE IN HEAP, IN THIS THE OBJECT WILL CREATE DIRECTLY, AND NO DUPLICATES IS ALLOWED.

QUES-5) WHAT DO YOU MEAN BY MUTABLE AND IMMUTABLE STRING?

ANS) MUTABLE STRING- THE STRING TYPE WHICH WE CAN CHANGE THE ELEMENTS.

IMMUTABLE STRING- THE STRING TYPE WHICH WE CAN’T CHANGE.

QUES-6) WHAT EXACTLY IS THE STRING CONSTANT POOL LOCATED IN THE MEMORY?

ANS) IN HEAP.

QUES-7) HOW TO FIND THE LENGTH OF A STRING IN JAVA, EXPLAIN WITH AN EXAMPLE?

ANS) IN STRINGS WE HAVE A LENGTH() METHOD, WHICH IS AN INBUILT METHOD, DEVELOPERS USE THIS THESE INBUILT FUNCTIONS VERY OFTEN, THESE INBUILT FUNCTIONS ARE CODED IN JAVA LIBRARY, WE DIRECTLY USE IT BY THEIR NAME.

public class Strings {

    public static void main(String[] args) {

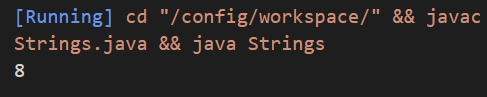
        String n = "Prashant";

        System.out.println(n.length());

    }

}

OUTPUT-



QUES-8) WRITE A PROGRAM TO FIND THE LENGTH OF A STRING “refrigerator”?

ANS)

public class Strings {

    public static void main(String[] args) {

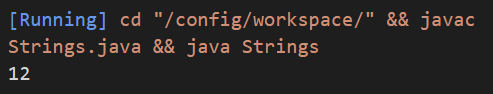
        String n = "refrigerator";

        System.out.println(n.length());

    }

}

OUTPUT-



QUES-9) WRITE A SIMPLE STRING PROGRAM TO TAKE INPUT FROM USER.

ANS)

import java.io.\*;

import java.util.\*;

public class Strings {

    public static void main(String[] args) {

        Scanner scn= new Scanner(System.in);

        System.out.println("enter the string");

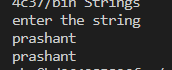
        String n = scn.nextLine();

        System.out.println(n);

    }

}

OUTPUT-



QUES-10) HOW DO YOU COMPARE TWO STRINGS IN JAVA? GIVE AN EXAMPLE?

ANS) BASICALLY THERE ARE TWO WAYS TO COMPARE STRINGS IN JAVA

1. BY USING == OPERATOR
2. BY USING EQUALS() METHOD

* == OPERATOR

THIS IS USED COMPARE THE REFERENCES OF TWO OBJECTS, WHETHER THE TWO OBJECTS ARE REFERENCING TO THE SAME OBJECT IN THE MEMORY OR NOT.

import java.io.\*;

import java.util.\*;

public class Strings {

    public static void main(String[] args) {

        String s1 = "Prashant"; // in this the object will create in scp

        String s2 = "Prashant";

        String s3 = new String("PRASHANT"); // in this the object will create outside scp inside heap area\\

        System.out.println(s1==s2); //true

        System.out.println(s1==s3); //false

    }

}

* BY USING EQUALS() METHOD-

THIS METHOD WILL COMPARE THE ACTUAL CONTECT OF THE OBJECTS

import java.io.\*;

import java.util.\*;

public class Strings {

    public static void main(String[] args) {

        String s1 = "Prashant"; // in this the object will create in scp

        String s2 = "Prashant";

        String s3 = new String("PRASHANT"); // in this the object will create outside scp inside heap area\\

        System.out.println(s1.equals(s2)); //true

        System.out.println(s1.equals(s3)); //false

    }

}

QUES-12) HOW TO YOU CONCATENATE TWO STRINGS IN JAVA? GIVE AN EXAMPLE?

ANS) CONCATENATION- THE WAY BY WHICH WE CAN ADD TWO OR MORE STRINGS TOGETHER TO MAKE A NEW STRING.

BASICALLY THERE ARE TWO WAYS TO CONCATENATE STRINGS IN JAVA

1. BY USING CONCAT METHOD- IN THIS WE ARE GOING TO USE THE CONCAT METHOD, VIA USING THIS WE CAN CONCAT TWO STRINGS.
2. BY USING + OPERATOR- VIA USING THIS WE CAN CONCAT TWO OR MORE STRIINGS TOGETHER TO FORM A NEW STRING.

FOR EG-

class demo{

    // in this we are going to discuss about string.

    public static void main(String[] args) {

        String str = "Prashant Saini";

        String str2 = "is a engineer";

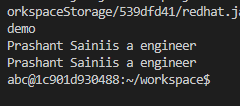
        System.out.println(str.concat(str2));

        System.out.println(str+str2);

    }

}

OUTPUT-



QUES-13) WRITE A PROGRAM TO CHECK IF THE LETTER “e” IS PRESENT IN THE WORD “Umbrella”?

ANS)

class demo{

    // in this we are going to discuss about string.

    public static void main(String[] args) {

        String str = "Umbrella";

        if(str.contains("e")){

            System.out.println("yes it contain alphabet e");

        }else{

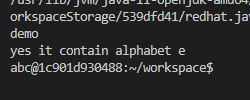
            System.out.println("no it doesn't contain alphabet e");

        }

    }

}

OUTPUT-



QUES-14) WRITE A PROGRAM TO DELETE ALL CONSONANTS FROM THE STRING “HELLO, HAVE A GOOD DAY”.

ANS)

class demo{

    // in this we are going to discuss about string.

    public static void main(String[] args) {

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

        String str1 = "";

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

            char ch = str.charAt(i);

            if(!(ch == 'a' || ch == 'A' || ch == 'e' || ch =='E' ||ch == 'i' || ch == 'I' ||ch == 'o' || ch == 'O' || ch == 'u' || ch == 'U')){

                str1 = (str1 + ch);

            }

        }

        System.out.println("Output" + str1);

    }

}

OUTPUT-

