

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

ANSWER:-

Program:-

```
import java.util.Scanner;
public class InputString {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print(" enter the string : ");
        String s1=sc.next();
        System.out.println(s1);
    }
}
```

Output:-

enter the string : raju

raju

2. How do you concatenate two strings in java ? Give an example ?

ANSWER:-

We have two methods to implement concatenation of string

1. using + operator

```
import java.util.Scanner;
public class ConCat1 {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print(" enter the first string : ");
        String s1=sc.next();
        System.out.println();
        System.out.print(" enter the second string : ");
        String s2=sc.next();
        System.out.println();
        String re=s1+s2;
        System.out.println(" after concatenated : "+ re);
    }
}
```

Output:-

enter the first string : santha

enter the second string : raju

after concatenated : santharaju

2.using concat() method

```
import java.util.Scanner;
public class ConCat1 {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.print(" enter the first string : ");
        String s1=sc.next();
        System.out.println();
        System.out.print(" enter the second string : ");
        String s2=sc.next();
        System.out.println();
        String re=s1.concat(" ").concat(s2);
        System.out.println(" after concateneted : "+ re);
    }
}
```

Output:-

enter the first string : santha

enter the second string : raju

after concateneted : santha raju

3.How do you find the length of the string in java Explain with an example ?

ANSWER:-

The length of the string in java is nothing but counting number of characters in particular string.

By using method length() we can find the length of the string.

It is a inbuilt method in java.

Example:-

```
import java.util.Scanner;
class Test{
    public static void main(String []args){
        Scanner sc=new Scanner(System.in);
        System.out.println("enter string :");
        String s1=sc.next();
        System.out.println(s1.length());
    }
}
```

Output:-

Enter string:

Raju

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

ANSWER:-

We can compare strings in two methods

- 1.using == operator
- 2.using .equals() method

If we use == operator the references or the address of the variable was compare and the boolean out put will be given.

If we use .equals() method the actual contents int strings are compared and the boolean out put wil be given.

Example:-

```
public class Compare {  
    public static void main(String[] args) {  
        String s1="raju";  
        String s2="raju";  
        if(s1==s2){  
            System.out.println(" same");  
        }  
        else{  
            System.out.println(" not same");  
        }  
    }  
}
```

Output:-

same

Example:-

```
public class Compare {  
    public static void main(String[] args) {  
        String s1="raju";  
        String s2="raju4";  
        if(s1.equals(s2)){  
            System.out.println(" same");  
        }  
        else{  
            System.out.println(" not same");  
        }  
    }  
}
```

Output:-

not same

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

ANSWER:-

```
public class Length {  
    public static void main(String[] args) {  
        String s1="refrigerator";  
        System.out.println(" length is :"+ s1.length());  
    }  
}
```

Output:-

length is :12

6. Write a program to check if the letter 'e' is present in the word 'Umbrella' ?

ANSWER:-

```
public class Find {  
    public static void main(String[] args) {  
        String s1="Umbrella";  
  
        if(s1.contains("e")){  
            System.out.println(" found");  
        }  
  
        else{  
            System.out.println(" not found");  
        }  
    }  
}
```

Output:-

found

7. Write a program to delete all consonants from the string "Hello,have a good day".

ANSWER:-

```
public class Main {  
    public static void main(String[] args) {  
        String sentence = "Hello, have a good day";  
        String vowels = "aeiouAEIOU";  
        StringBuilder newSentence = new StringBuilder();  
        for (int i = 0; i < sentence.length(); i++) {  
            if (vowels.indexOf(sentence.charAt(i)) != -1) {  
                newSentence.append(sentence.charAt(i));  
            }  
        }  
        System.out.println("The sentence with only vowels: " + newSentence);  
    }  
}
```

Output:-

The sentence with only vowels: eoaeaoaa

