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

ANS.

```
import java.util.Scanner;
class Main
    {
    public static void main(String[] args)
    {
        Scanner myObj = new Scanner(System.in);
    System.out.println("Enter Name: ");
    String name = myObj.nextLine();
    System.out.println("My name is: " +name);
    }
}
```

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

Ans. In Java, two strings can be concatenated by using the + or += operator, or through the concat() method, defined in the java. lang.

```
public class Main
{
    public static void main(String[] args)
    {
        String s1=new String("pw");
        s1=s1.concat("skill");
        System.out.println(s1);
    }
}
```

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

Ans. To calculate the length of a string in Java, you can use an inbuilt `length()` method of the Java *string class*.

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```
public class Main {
    public static void main(String[] args)
    {
    String str = "PwSkill";
    System.out.println("The size of "+"the String is "+
str.length());
    }
}
```

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

Ans.// Method 1: Result in either true or false

```
public class Main
{
public static void main(String []args)
{
String s1 = "pwjava";
String s2 = "pwjava";
String s3 = new String ("PwJava");
System.out.println(s1.equals(s2));
System.out.println(s2.equals(s3));
}
}
```

// Method 2: Result in the ascii difference of first odd characters of compared strings.

```
import java.util.Scanner;
public class Main
{
public static int stringCompare(String str1, String
str2)
{
int l1 = str1.length();
int l2 = str2.length();
int lmin = Math.min(l1, l2);
for (int i = 0; i < lmin; i++)
{
int str1_ch = (int)str1.charAt(i);
int str2_ch = (int)str2.charAt(i);
if (str1_ch != str2_ch)
{
return str1_ch - str2_ch;
}
}
if (l1 != l2) {
return l1 - l2;
}
else {
return 0;
}
}
public static void main(String args[])
{
Scanner scan = new Scanner(System.in);
System.out.print("Enter 1st string: ");
String string1 = scan.nextLine( );
System.out.print("Enter 2nd string: ");
String string2 = scan.nextLine();
```

```
System.out.println("Comparing b/w " + string1 + " and "
+ string2
+ " is " + stringCompare(string1, string2));
}
}
```

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

Ans.

```
import java.util.Scanner;
public class Main
{
public static void main(String[] args)
{
String str;
int len=0;
Scanner scan = new Scanner(System.in);
System.out.print("Enter the String: ");
str = scan.nextLine();
char[] strChars = str.toCharArray();
for(char ch: strChars)
len++;
System.out.println("\nLength of String = " +len);
}
}
```

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

Ans.

```
import java.util.*;
class Main
```

```
{
static void traverseString(String str)
{
System.out.print("iterate of string: ");
for (int i = 0; i < str.length(); i++)
{
System.out.print(str.charAt(i) + " ");
}
System.out.println( );
if (str == "e")
System.out.println("e is persent in "+str);
else
System.out.println("e is absent in " +str);
}
public static void main(String[] args)
{
Scanner scan = new Scanner(System.in);
System.out.print("Enter the String: ");
String str = scan.nextLine();
traverseString(str);
}
}
```

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

Ans.

```
import java.util.Scanner;
class Main
```

```
{
public static void main(String args[])
{
String s;
int j=0;
System.out.println("Enter a string");
Scanner so=new Scanner(System.in);
s= so.nextLine();
char ch[]=new char[20];
for(int i=0;i<s.length();i++)
{
if(s.charAt(i)=='a'||
s.charAt(i)=='A'||s.charAt(i)=='e'||
s.charAt(i)=='E'||s.charAt(i)=='i'||
s.charAt(i)=='I'||s.charAt(i)=='o'||
s.charAt(i)=='O'||s.charAt(i)=='U'|| s.charAt(i)=='u')
{
ch[j++]=s.charAt(i);
}
else
{
continue;
}
}
for(int i=0;i<j;i++)
{
System.out.print(ch[i]);
}
System.out.println();
}
}
```