

Sri Krishna College of Engineering and Technology

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2021_25_IV_JAVA Programming (ECE/EEE)_IRC

IRC_Java_D8_Java String_CE_COD

Attempt : 1
Total Mark : 50
Marks Obtained : 50

Section 1 : coding question

1. Write a program to check whether the given string is a palindrome.

Answer

```
// You are using Java
import java.util.*;
class Qn1
{
    public static void main(String[] args)
    {
        Scanner x=new Scanner(System.in);
        String S,S1="";
        S=x.nextLine();
        int len=S.length();
        for(int i=len-1;i>=0;i--)
        {
            S1=S1 + S.charAt(i);
        }
        if(S.equals(S1))
        {
            System.out.print(S+" :palindrome");
        }
        else
```

```

    {
        System.out.print(S+" :not a palindrome");
    }
}

```

Status : Correct

Marks : 10/10

2. Write a program to count the vowels in the string.

Answer

```

// You are using Java
import java.util.*;
class Qn2
{
    public static void main(String[] args)
    {
        Scanner x=new Scanner(System.in);
        String S;
        S=x.nextLine();
        int count=0;
        int len=S.length();
        for(int i=0;i<len;i++)
        {
            if(S.charAt(i)=='a' || S.charAt(i)=='e' || S.charAt(i)=='i' || S.charAt(i)=='o' ||
S.charAt(i)=='u')
            {
                count++;
            }
        }
        System.out.print(count);
    }
}

```

Status : Correct

Marks : 10/10

3. Write a program to check whether the string is lexicographically equal to another string

Answer

```
// You are using Java
import java.util.*;
class Qn3
{
    public static void main(String[] args)
    {
        Scanner x=new Scanner(System.in);
        String S1,S2;
        S1=x.nextLine();
        S2=x.nextLine();
        System.out.print(S1.compareTo(S2));
    }
}
```

Status : Correct**Marks : 10/10**

4. Write a program to remove consecutive vowels from a string.

Answer

```
// You are using Java
import java.util.*;
class Qn4
{
    public static void main(String[] args)
    {
        Scanner x=new Scanner(System.in);
        String S1,S2="";
        S1=x.nextLine();
        int len=S1.length();
        for(int i=0;i<(len-1);i++)
        {
            char temp=S1.charAt(i);
            if(temp=='a' || temp=='e' || temp=='i' || temp=='o' || temp=='u')
            {
                if(S1.charAt(i)!=S1.charAt(i+1))
                {
                    S2+=S1.charAt(i);
                }
            }
            else
            {
                S2+=temp;
            }
        }
        System.out.print(S2);
    }
}
```

```

        {
            S2+="";
        }
    }
    else
    {
        S2+=S1.charAt(i);
    }
}
S2+=S1.charAt(len-1);
System.out.print(S2);
}
}

```

Status : Correct

Marks : 10/10

5. Write a program to validate domain names of the email address. The fair organizers have listed the accepted domains as "com", "in", "net", and "org". Write a program to validate email addresses that have the above listed domain names.

Create a driver class called Main. In the Main method, obtain the inputs from the console and validate the email address.

Answer

```

// You are using Java
import java.util.*;
class Qn5
{
    public static void main(String[] args)
    {
        Scanner x=new Scanner(System.in);

        String email=x.nextLine();
        System.out.println(email);

        if(email.contains(".com") ||email.contains(".in") || email.contains(".net")||
email.contains(".org"))
        {
            System.out.print("Valid email address");
        }
    }
}

```

```
    }  
    else  
    {  
        System.out.print("Invalid email address");  
    }  
}  
}
```

Status : Correct

Marks : 10/10