SBA-2

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1.Write a program to reverse the String (use char[] or String built in method).

```java
package com.ust;


public class StringReverse
{

    public static void main(String[] args)
    {
        String str="If we die we cannot see sunsets";
        char[]ch=str.toCharArray();
        for(int i=ch.length-1;i>=0;i--)
        {
        System.out.print(ch[i]);
        }


    }

```

Markers Properties Servers Data Source Explorer Snippets C

<terminated> StringReverse [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\java

```
stesnus ees tonnac ew eid ew fI
```

2.Write programs to depict the usage of contains(), length(), replace(), concat(), equals()

```java
import java.util.Scanner;

public class Functions_26 {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the string: ");
        String st1 = sc.nextLine();
        System.out.println("Enter another string");
        String st2 = sc.nextLine();

        System.out.println("Checking string 2 contains in string 1:   "+st1.contains(st2));
        System.out.println("The length of String1:   "+st1.length());
        System.out.println("Checking two strings are equal:   "+st1.equals(st2));
        System.out.println("Concatenating two string:   "+st1.concat(st2));

System.out.println("Using replace method:   "+st2.replace('o', 'x'));
        sc.close();

    }

}
```

Problems @ Javadoc Declaration Console X Coverage

<terminated> Functions_26 [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (06-Feb-2022, 11:53:09 am – 11:53:1

```
Enter the string:
water
Enter another string
pot
Checking string 2 contains in string 1:   false
The length of String1:   5
Checking two strings are equal:   false
Concatenating two string:   waterpot
Using replace method:   pxt
```

3.Write a customized Exception class for a Banking project

```
1  package com.ust;
2
3  class MinBalanceException extends Exception
4  {
5    public MinBalanceException ()
6    {
7      System.out.println ("Balance is low");
8    }
9  }
10 public class CustomException
11 {
12   public static void main (String[]args)
13   {
14     try
15     {
16       int acc[] = { 100, 101, 102, 103, 104, 105 };
17       double balance[] = { 900, 2000, 1500, 1560, 1765.50 };
18       System.out.println ("Account No\t" + "Balance\t");
19       for (int i = 0; i < 5; i++)
20    {
21       System.out.println (acc[i] + "\t\t" + balance[i] + "\t");
22       if (balance[i] < 1000)
23       {
24           throw new MinBalanceException ();
25       }
26    }
27     }
28     catch (MinBalanceException e)
29     {
30       System.out.println ("Exception caught");
31     }
32   }
33 }
```