

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

```
1 package com.ust;
2
3
4 public class StringReverse
5 {
6
7     public static void main(String[] args)
8     {
9         String str="If we die we cannot see sunsets";
10        char[]ch=str.toCharArray();
11        for(int i=ch.length-1;i>=0;i--)
12        {
13            System.out.print(ch[i]);
14        }
15
16
17    }
18
```

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<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()

```
1 import java.util.Scanner;
2
3 public class Functions_26 {
4
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7         System.out.println("Enter the string: ");
8         String st1 = sc.nextLine();
9         System.out.println("Enter another string");
10        String st2 = sc.nextLine();
11
12        System.out.println("Checking string 2 contains in string 1: "+st1.contains(st2));
13        System.out.println("The length of String1: "+st1.length());
14        System.out.println("Checking two strings are equal: "+st1.equals(st2));
15        System.out.println("Concatenating two string: "+st1.concat(st2));
16
17        System.out.println("Using replace method: "+st2.replace('o', 'x'));
18        sc.close();
19    }
20 }
21
22 }
```

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 }
```

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

Account No	Balance
100	900.0

Balance is low
Exception caught