

# Exercise

Q1. Write a program to replace a substring inside a string with other string ?

```
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...  
Original String = string  
Modified String = sting  
  
Process finished with exit code 0
```

Q2. Write a program to find the number of occurrences of the duplicate words in a string and print them ?

```
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...  
String : "Lorem" has 4 Occurences  
String : "Ipsum" has 3 Occurences  
String : "is" has 1 Occurences  
String : "simply" has 1 Occurences  
String : "dummy" has 2 Occurences  
String : "text" has 2 Occurences  
String : "of" has 4 Occurences  
String : "the" has 6 Occurences  
String : "printing" has 1 Occurences
```

Q3. Write a program to find the number of occurrences of a character in a string without using loop?

```
Exercise3 x Exercise3 x  
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...  
String is : Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the  
Enter character to Search : i  
No. of Occurences : 43  
|  
Process finished with exit code 0
```

Q4. Calculate the number & Percentage Of Lowercase Letters,Uppercase Letters, Digits And Other Special Characters In A String

```
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...  
No. of lowercase characters : 453  
No. of uppercase characters : 14  
No. of digits : 8  
No. of otherCharacters : 99  
  
Process finished with exit code 0
```

Q5. Find common elements between two arrays.

```
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java  
Common Elements :  
1  
3  
5  
11
```

Q6. There is an array with every element repeated twice except one. Find that element

```
Exercise6 x  
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java  
Array :  
11 11 2 2 3 3 4 4 55 55 33  
Odd Element : 33  
  
Process finished with exit code 0
```

Q7. Write a program to print your Firstname,LastName & age using static block,static method & static variable respectively

```
Exercise7 x  
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java  
FirstName : y, LastName : a, Age: 0  
FirstName : Yatin, LastName : Ajmani, Age: 24  
FirstName : Yatin, LastName : Ajmani, Age: 24  
  
Process finished with exit code 0
```

Q8. Write a program to reverse a string and remove character from index 4 to index 9 from the reversed string using String Buffer

```
package com.ttn.assignment;

public class Exercise8 {
    public static void main(String[] args) {
        StringBuffer stringBuffer = new StringBuffer("Yatin Ajmani");
        System.out.println("Original String : " + stringBuffer);
        stringBuffer.reverse();
        System.out.println("Reversed String : " + stringBuffer);
        stringBuffer.replace( start: 4, end: 9, str: "");
        System.out.println("Replaced String : " + stringBuffer);
    }
}
```

Q9. Write a program to display values of enums using a constructor & getPrice() method (Example display house & their prices)

```
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/
House Type : VILLA price : Rs.9999.99
House Type : CASTLE price : Rs.2564.54
House Type : PALACE price : Rs.2535.54
Cost of : VILLA is Rs.9999.99
Process finished with exit code 0
```

Q10. Write a single program for following operation using overloading

- A) Adding 2 integer number
- B) Adding 2 double
- C) multiplying 2 float
- D) multiplying 2 int
- E) concatenate 2 string
- F) Concatenate 3 String

```
EXERCISE10 x
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/
Integer Sum : 30
Double Sum : 31.04
Integer Product : 200
Float Product : 206.02501
Two String Concatination : 1020
Three String Concatination : 102030
```

Q11. Create 3 sub class of bank SBI,BOI,ICICI all 4 should have method called getDetails which provide there specific details like rateofinterest etc,print details of every banks

```
Application x
/home/ttn/.sdkman/candidates/java/8.0.202-amzn/bin/java ...
State Bank of India has 120.0 Branches and 3.15% Rate of interest
ICICI has 90.0 Branches and 2.15% Rate of interest
Bank of India has 110.0 Branches and 2.25% Rate of interest
Process finished with exit code 0
```