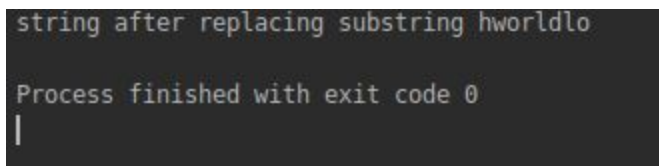


1)Write a program to replace a substring inside a string with other string ?

Ans:

```
package com.company;
```

```
public class replacestring {  
    public static void main(String[] args) {  
        String s1="hello";  
        String s2=s1.replace("el","world");  
        System.out.println("string after replacing substring "+s2);  
    }  
}
```



```
string after replacing substring hworldlo  
Process finished with exit code 0  
|
```

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

ANS:

```
package com.company;
```

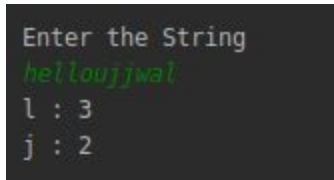
```
import java.util.Scanner;
```

```
public class duplicate_words {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("\nEnter the String");  
        String inStr = sc.nextLine();  
        inStr = inStr.toLowerCase();  
        String words[] = inStr.split("");  
  
        for (int i = 0; i < words.length; i++){  
            int count = 1;  
            for (int j = i+1; j < words.length; j++){  
                if(words[i].equals(words[j])){  
                    count ++;  
                    words[j]= "NULL";  
                }  
            }  
        }  
    }  
}
```

```

        if(count > 1 && words[i] != "NULL"){
            System.out.println(words[i] + " : " + count);
        }
    }
}
}

```



```

Enter the String
helloujjwal
l : 3
j : 2

```

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

ANS: package com.company;

import java.util.Scanner;

public class Q3\_occurence {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String inpstr1 = new String();

inpstr1 = sc.nextLine();

String inpstr2 = new String();

inpstr2 = sc.nextLine();

int count = inpstr1.length() - inpstr1.replace(inpstr2,"").length();

System.out.println("Occurence of " + inpstr2 + " : " + count);

}

}

```
helloujjwal  
{  
Occurence of l:3  
  
Process finished with exit code 0
```

4) Calculate the number & Percentage Of Lowercase Letters, Uppercase Letters, Digits And Other Special Characters In A String?

```
package com.company;
```

```
import java.util.Scanner;
```

```
public class numberper {  
    public static void main(String[] args) {  
  
        int uppercase=0, lowercase=0, digit=0, spcl=0;  
        Scanner sc = new Scanner(System.in);  
        System.out.println("\nEnter the string");  
        String inpstr = sc.nextLine();  
        int total = inpstr.length();  
  
        for(int i = 0 ; i < inpstr.length(); i++) {  
  
            Character ch = inpstr.charAt(i);  
  
            if(Character.isUpperCase(ch)){  
                uppercase++;  
            }  
            else if (Character.isLowerCase(ch)){  
                lowercase++;  
            }  
            else if(Character.isDigit(ch)) {  
                digit++;  
            }  
            else {  
                spcl++;  
            }  
        }  
    }  
}
```

```

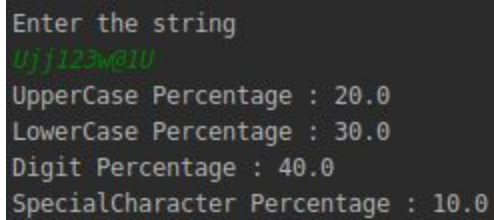
    }

    double uppper= (uppercase*100.0)/total;
    System.out.println("UpperCase Percentage : " + uppper);
    double lowerper= (lowercase*100.0)/total;
    System.out.println("LowerCase Percentage : " + lowerper);
    double dgtper= (digit*100.0)/total;
    System.out.println("Digit Percentage : " + dgtper);
    double spclper= (spcl*100.0)/total;
    System.out.println("SpecialCharacter Percentage : " + spclper);

    }

}

```



```

Enter the string
Ujj123w@1U
UpperCase Percentage : 20.0
LowerCase Percentage : 30.0
Digit Percentage : 40.0
SpecialCharacter Percentage : 10.0

```

5)Find common elements between two arrays?

```

package com.company;

import java.util.Scanner;

public class commonelemarray {
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        System.out.println("\nEnter the size of array");
        int n =sc.nextInt();

        System.out.println("enter the element in second array");
        int arr[] = new int[n];
    }
}

```

```
for(int i= 0; i< n; i++){

arr[i]=sc.nextInt();

}
System.out.println("\nEnter the size of second array");
int n1 = sc.nextInt();

System.out.println("enter the element in second array");
int arr1[] = new int[n1];
for(int j = 0; j < n1; j++){
arr1[j] = sc.nextInt();
}

for(int i = 0; i < arr.length ; i++){
for(int j = 0; j < arr1.length; j++){
    if(arr[i]==arr1[j]){
        System.out.println(arr[i]);
    }
}
}
}
```

```
Enter the size of array
5
enter the element in second array
5
4
3
2
1

Enter the size of second array
6
enter the element in second array
5
4
6
7
8
1
5
4
1

Process finished with exit code 0
```

7)Write a program to print your Firstname,LastName & age using static block,static method & static variable respectively?

```
package com.company;
```

```
public class allStatic {
```

```
    static String fname = "ujjwal";
    static String lastname = "kumar";
    static int age = 22;
```

```
    static {
        System.out.println("we are in static block");
        System.out.println("firstName = Ujjwal lastName = kumar Age = 22 ");
    }
```

```
    public static void PrintName(String fname, String lastname, int age){
        System.out.println("we are in static method");
    }
```

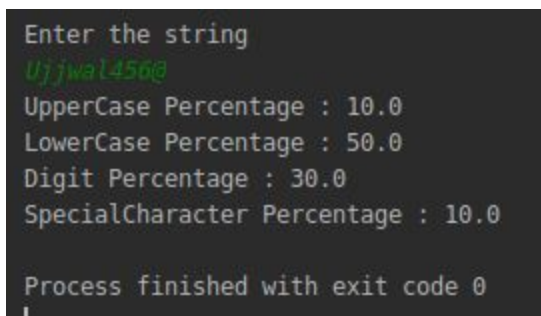
```

        System.out.println("Name: " + fname + " lastName: " + lastname + " Age: " + age);
    }

    public static void main(String[] args) {
        PrintName("Ujjwal", "Kumar", 22);

        System.out.println("we are using static variable");
        System.out.println("Name: " + fname + " lastName: " + lastname + " Age: " + age);
    }
}

```



```

Enter the string
Ujjwal456@
UpperCase Percentage : 10.0
LowerCase Percentage : 50.0
Digit Percentage : 30.0
SpecialCharacter Percentage : 10.0

Process finished with exit code 0

```

8) 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.company;

import java.util.Scanner;

public class bufferprgm {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        StringBuffer inpstr = new StringBuffer();
        inpstr.append(sc.nextLine());
        inpstr.reverse();
        System.out.println("Reverse String : " + inpstr);
        inpstr.delete(4, 6);
        System.out.println("New String : " + inpstr);
    }
}

```

```
helloujjwal  
Reverse String : lawjjuoilleh  
New String : lawjolleh  
  
Process finished with exit code 0
```

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

. 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

```
package com.company;
```

```
public class operationOverloading {
```

```
    public int add (int x, int y){  
        return (x+y);  
    }  
    public double add (double x, double y){  
        return (x+y);  
    }  
    public float mul (float x, float y){  
        return (x*y);  
    }  
    public int mul (int x, int y){  
        return (x*y);  
    }  
    public String concat (String x, String y){  
        return (x+y);  
    }  
    public String concat (String x, String y, String z){  
        return (x+y+z);  
    }
```

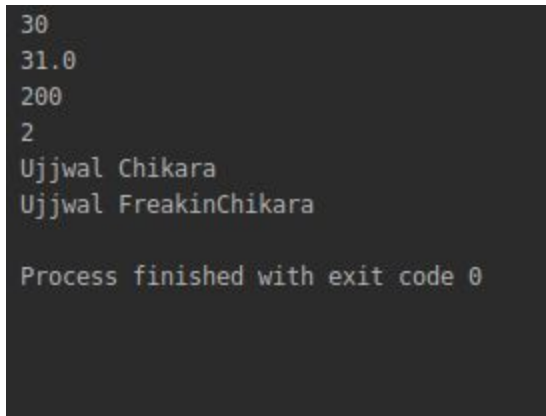
```
    public static void main(String[] args) {
```



```

        operationOverloading a = new operationOverloading();
        System.out.println(a.add(10, 20));
        System.out.println(a.add(10.5, 20.5));
        System.out.println(a.mul(10, 20));
        System.out.println(a.mul(1, 2));
        System.out.println(a.concat("Ujjwal", " Chikara"));
        System.out.println(a.concat("Ujjwal", " Freakin", "Chikara"));
    }
}

```



```

30
31.0
200
2
Ujjwal Chikara
Ujjwal FreakinChikara

Process finished with exit code 0

```

11) 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?

```

package com.company;

class bank {
    void getDetails(double rate){
        System.out.println("Rate : " + rate);
    }
}

class SBI extends bank{
    void getDetails(double rate){
        System.out.println("rate : " + rate);
    }
}

class BOI extends bank{
    void getDetails(double rate) {
        System.out.println("rate : " + rate);
    }
}

```

```
class ICICI extends bank {  
    void getDetails(double rate){  
        System.out.println("rate : " + rate);  
    }  
}
```

```
class Overriding {  
    public static void main(String[] args) {  
        SBI sb = new SBI();  
        BOI b = new BOI();  
        ICICI ic = new ICICI();  
        sb.getDetails(5.6);  
        b.getDetails(8.7);  
        ic.getDetails(56.4);  
    }  
}
```

```
rate : 5.6  
rate : 8.7  
rate : 56.4  
  
Process finished with exit code 0
```