



Institute of Computer Engineering Technology



ASSIGNMENT

Assigment	WEEK01 - Programming Fundamentals
Batch No	iCM104 / iCM105
Name	Typing Practise
Ass. Date	08th July 2023

01.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("Institute of Computer Engineering Technology");  
    }  
}
```

02.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("Institute of Computer Engineering Technology");  
        System.out.println("223 A,");  
        System.out.println("Galle Road,");  
        System.out.println("Panadura.");  
    }  
}
```

03.

```
class Example {  
    public static void main(String args[]){  
        System.out.print("J");  
        System.out.print("A");  
        System.out.print("V");  
        System.out.print("A");  
    }  
}
```

04.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("1");  
        System.out.println(1000);  
        System.out.println(1.23);  
    }  
}
```

05.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("Hello");  
        System.out.println("A");  
        System.out.println(1234);  
        System.out.println(-1234);  
        System.out.println(1.2334);  
        System.out.println(0.0032);  
        System.out.println(-0.0023);  
        System.out.println('A');  
        System.out.println('6');  
        System.out.println(true);  
        System.out.println(false);  
    }  
}
```

06.

```
class Example{  
    public static void main(String args[]){  
        System.out.print("A");  
        System.out.print("B");  
        System.out.print("C");  
        System.out.print("D");  
    }  
}
```

07.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("1");  
        System.out.print("2 ");  
        System.out.println("3 ");  
        System.out.print("4 ");  
        System.out.print("5 ");  
        System.out.println("6 ");  
        System.out.print("7 ");  
        System.out.print("8 ");  
        System.out.print("9 ");  
        System.out.println("10 ");  
    }  
}
```

08.

```
class Example {  
    public static void main(String args[]){  
        System.out.print("1");  
        System.out.println();  
        System.out.print("2 ");  
        System.out.print("3 ");  
        System.out.println();  
        System.out.print("4 ");  
        System.out.print("5 ");  
        System.out.print("6 ");  
        System.out.println();  
        System.out.print("7 ");  
        System.out.print("8 ");  
        System.out.print("9 ");  
        System.out.print("10 ");  
    }  
}
```

09.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("A");  
        System.out.println("B");  
        System.out.println();  
        System.out.println("C");  
        System.out.println("D");  
        System.out.print(" ");  
    }  
}
```

10.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("A");  
        System.out.println("B");  
        System.out.print();  
        System.out.println("C");  
        System.out.println("D");  
    }  
}
```

11.

```
class Example {  
    public static void main(String args[]){  
        int a;  
        a=100;  
        System.out.println("a");  
        System.out.println(a);  
    }  
}
```

12.

```
class Example {  
    public static void main(String args[]){  
        int a;  
        System.out.println("a");  
        System.out.println(a);  
    }  
}
```

13.

```
class Example{  
    public static void main(String args[]){  
        int a=100;  
        System.out.println(a);  
    }  
}
```

14.

```
class Example{  
    public static void main(String args[]){  
        int a;  
        System.out.println(a);  
        a=100;  
    }  
}
```

15.

```
class Example{  
    public static void main(String args[]){  
        int x;  
        x=100;  
        x=200;  
        System.out.println(x);  
    }  
}
```

16.

```
class Example{
    public static void main(String args[]){
        int x;
        x=100;
        System.out.println(x);
        x=200;
        System.out.println(x);
    }
}
```

17.

```
class Example{
    public static void main(String args[]){
        int x=100;
        int y=200;
        System.out.println(x);
        System.out.println(y);
    }
}
```

18.

```
class Example{
    public static void main(String args[]){
        int x;
        x=1000;
        System.out.println(x);
        var y=2000;
        System.out.println(y);
    }
}
```

19.

```
class Example{
    public static void main(String args[]){
        int x=100;
        int y=200;
        int z;
        System.out.println(x);
        System.out.println(y);
        System.out.println(z);
    }
}
```

20.

```
class Example {
    public static void main(String args[]){
        int x=100,y,z=200;
        System.out.println(x);
        y="java";
        System.out.println(y);
        System.out.println(z);
    }
}
```

21.

```
class Example{
    public static void main(String args[]){
        System.out.println("A");
        //System.out.println("B");
        System.out.println("C");
        //System.out.println("D");
        System.out.println("E");
    }
}
```


22.

```
class Example{
    public static void main(String args[]){
        System.out.println("A");
        System.out.println("B");
        /*System.out.println("C");
        System.out.println("D");
        System.out.println("E");*/
        System.out.println("F");
    }
}
```

23.

```
class Example{
    public static void main(String args[]){
        int x=100;
        int y=200;
        System.out.println(x);
        System.out.println(y);
        x=y;
        System.out.println(x);
        System.out.println(y);
    }
}
```

24.

```
class Example {
    public static void main(String args[]){
        System.out.println(true);
        System.out.println("true");
    }
}
```

25.

```
class Example {  
    public static void main(String args[]){  
        System.out.println(Java);  
        System.out.println("Java");  
    }  
}
```

26.

```
class Example {  
    public static void main(String args[]){  
        System.out.println('A');  
        System.out.println("A");  
        System.out.println('2');  
        System.out.println("2");  
        System.out.println('JAVA');  
        System.out.println("JAVA");  
    }  
}
```

27.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("Hellooooo\tJAVA");  
        System.out.println("Hellooooo\t\t\t\t\tJAVA");  
    }  
}
```

28.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("Hi\tJAVA");  
        System.out.println("Hello\tWorld");  
    }  
}
```

29.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("AB\nCD");  
        System.out.println("");  
        System.out.println("EF\tGH\n\nIJ\tKL");  
    }  
}
```

30.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("time - "17:56:02");  
    }  
}
```

31.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("\iCET");  
        System.out.println("\Institute of Computer Engineering Technology");  
    }  
}
```

32.

```
class Example {  
    public static void main(String args[]){  
        System.out.println("First Line\nSecond Line");  
        System.out.println("A\tB\tC");  
        System.out.println("D\tE\tF");  
    }  
}
```

33.

```
class Example{
    public static void main(String args[]){
        System.out.println("AB\nCD");
        System.out.println("AB\tCD");
        System.out.println("AB\fCD");
        System.out.println("AB\bCD");
        System.out.println("AB\rCD");
        System.out.println("AB\ \CD");
    }
}
```

34.

```
class Example{
    public static void main(String args[]){
        System.out.println(10+20);
        System.out.println("10"+"20");
        System.out.println("10"+20);
        System.out.println(10+"20");
    }
}
```

35.

```
class Example{
    public static void main(String args[]){
        System.out.println(20230326);
        System.out.println("2023-03-26");
    }
}
```

36.

```
class Example{
    public static void main(String args[]){
        int x,y,z;
        x=10;
        y=20;
        z=x+y;
        System.out.println(x+" "+y+"="+z);
    }
}
```

37.

```
class Example{
    public static void main(String args[]){
        int x=10,y=20;
        System.out.println(x+y);
        System.out.println("x"+"y");
        System.out.println("x+y");
        System.out.println("x"+y);
        System.out.println(x+"y");
    }
}
```

38.

```
class Example{
    public static void main(String args[]){
        System.out.println(10+20+30);
        System.out.println("10+20+30");
        System.out.println(10+20+30);
        System.out.println("10+20"+30);
        System.out.println("10"+"20"+"30");
        System.out.println("10"+20+30);
        System.out.println(10+20+"30");
        System.out.println(10+"20"+30);
    }
}
```

39.

```

class Example {
    public static void main(String args[]){
        String s1="Hello";
        System.out.println(s1);
        System.out.println(s1.concat(" JAVA"));
    }
}

```

40.

```

class Example {
    public static void main(String args[]){
        int x, y, z;
        x=10;
        y=20;
        z=x+y;
        System.out.println(x+" + "+y+" = "+z);
        z=x-y;
        System.out.println(x+" - "+y+" = "+z);
        z=x*y;
        System.out.println(x+" * "+y+" = "+z);
    }
}

```

41.

```

class Example {
    public static void main(String args[]){
        int x, y;
        x=10;
        y=20;
        System.out.println(x+" + "+y+" = "+(x+y));
        System.out.println(x+" - "+y+" = "+(x-y));
        System.out.println(x+" * "+y+" = "+(x*y));
    }
}

```

42.

```
class Example {  
    public static void main(String args[]){  
        int x,y;  
        x=100;  
        y=200;  
        System.out.println(x);  
        System.out.println(y);  
  
        y=x;  
        System.out.println(x);  
        System.out.println(y);  
    }  
}
```

43.

```
class Example {  
    public static void main(String args[]){  
        int num=103;  
        if(num>0){  
            System.out.println(num+" is positive number");  
        }else if(num<0){  
            System.out.println(num+" is negative number");  
        }else{  
            System.out.println(num+" is 0");  
        }  
    }  
}
```

44.

```
import java.util.*;
class Example {
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        System.out.print("Input number - ");
        int num=input.nextInt();
        if(num>0){
            System.out.println(num+" is positive number");
        }else if(num<0){
            System.out.println(num+" is negative number");
        }else{
            System.out.println(num+" is 0");
        }
    }
}
```

45.

```
import java.util.*;
class Example {
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        System.out.print("Enter your marks - ");
        int mark=input.nextInt();
        if(mark>=75){
            System.out.println("your grade is A");
        }else if(mark >=65){
            System.out.println("your grade is B");
        }else if(mark >=50){
            System.out.println("your grade is C");
        }else{
            System.out.println("your grade is F");
        }
    }
}
```


46.

```
import java.util.*;
class Example {
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        System.out.print("Enter your age - ");
        int age=input.nextInt();
        if(age<18){
            System.out.println("age is not valid to vote");
        }else{
            System.out.println("welcome to vote");
        }
    }
}
```

47.

```
class Example {
    public static void main(String args[]){
        double x, y, z;
        x=3;
        y=4;
        z=Math.sqrt(x*x + y*y);
        System.out.println("Hypotenuse is "+z);
    }
}
```

48.

```
import java.util.*;
class Example {
    public static void main(String[] args) {
        Scanner input=new Scanner(System.in);
        System.out.print("Enter any number - ");
        int num=input.nextInt();
        int fact=1;
        for(int i=1;i<num;i++){
            fact=fact*i;
        }
        System.out.println("The factorial of "+num+" is "+fact);
    }
}
```

49.

```
import java.util.*;
class Example {
    public static void main(String[] args) {
        Scanner input=new Scanner(System.in);
        System.out.print("Input your age - ");
        int age=input.nextInt();
        if(age < 18){
            System.out.println("age is not valid to vote");
        }
        else {
            System.out.println("welcome to vote");
        }
    }
}
```

50.

```
public class Example {  
    public static void main(String args[]) {  
        for(int i=-5;i<6;i++){  
            int result = i!=0 ? 100/i : 0 ;  
            if(i!=0){  
                System.out.println("100/"+i+ " is "+result);  
            }  
        }  
    }  
}
```