ITS1010 ASSIGNMENT 02
Batch 66
Chathurya Buddhini

1. Print() - Result of input data is receive horizontally.

```
class example{
  public static void main(String args[]){
    System.out.print("1");
    System.out.print("2");
    System.out.print("3");
    System.out.print("4");}
  }
```

Output
1234

Println() - Result of input data is receive veritically.

```
class example{
  public static void main(String args[]){
    System.out.println("1");
    System.out.println("2");
    System.out.println("3");
    System.out.println("4");}
}
```

Output
1
2
3
4

2.
```
class example {
public static void main(String args[]){
System.out.println(“Nimal”);
System.out.println(“Devinigoda Rathgama”);}
}
```

Output
Nimal
Devinigoda,Rathgama

3. INT - The java INT keyword is a primitive data type.it is used to declare v ariables.it can also be used with methods to return integer type values.it can hold a 32-bit signed two’s complement integer.

CHAR - Definition and Usage. The char keyword is a data type that is used to store a single character. A char value must be surrounded by single quotes, like 'A' or 'c'.

DOUBLE - Java double is used to represent floating-point numbers. It uses 64 bits to store a variable value and has a range greater than float type.

BOOLEAN-Java double is used to represent floating-point numbers. It uses 64 bits to store a variable value and has a range greater than float type.

FLOUT-The Java float keyword is a primitive data type. It is a single-precision 32-bit IEEE 754 floating point. It is used o declare the variables and methods. It represents the fractional numbers.

```
4.class example{
        public static void main(String args[]){
        System.out.println("*");
        System.out.println("* *");
        System.out.println("* * *");
        System.out.println("* * * *");
        System.out.println("* * * * *”);}
      }

5.class example{
        public static void main(String args[]){
        System.out.println("*");
        System.out.println("**");
        System.out.println("***");
        System.out.println("****");
        System.out.println("*****”);}
      }

6.class example{
        public static void main(String args[]){
        System.out.println("         *");
        System.out.println("    *        *");
        System.out.println("  *     *     *");
        System.out.println("    *        * ");
        System.out.println("         *    ");}}

7.class qq3{public static void main(String args[]){
      int i,age;
      i=100;
      age=20;
      System.out.print("The age is ");
      System.out.print(age);}}


          System.out.println("value is "+c);
      }}
```

Output
The age is 20

8.
```
import java.util.Scanner;
    class qq4{
      public static void main(String args[]){
      int a,b,c;

      System.out.print("input no.1 :- ");
      Scanner x= new Scanner(System.in);
      a=x.nextInt();

      System.out.print("input no.2 :- ");
      Scanner y= new Scanner(System.in);
      b=y.nextInt();

      c =a+b;
      System.out.println("value is "+c);
}}
```

9.
```
import java.util.Scanner;

    class qq5{

      public static void main(String args[]){

      Int x,y;

      System.out.print("input x :- ");

      Scanner a= new Scanner(System.in);

      x=a.nextInt();

      System.out.print("input y :- ");

      Scanner b= new Scanner(System.in);

     y=b.nextInt();


      System.out.print(x);

     System.out.print(y);

}}
```

10.
```
import java.util.Scanner;
   class qq6{
     public static void main(String args[]){
       int e,f;
```

```
        System.out.print("input no.1 :- ");
        Scanner x=new Scanner(System.in);
        e=x.nextInt();

        System.out.print("input no.2 :- ");
        Scanner y=new Scanner(System.in);
        f=y.nextInt();

        System.out.print("value are "+e);
        System.out.print("value are "+f);
    }}
```

11.
```
import java.util.Scanner;

  class qq7{
    public static void main(String args[]){
      int       Computing,Maths,Science,English,total;
      double average;

      System.out.print("input Computing :-    ");
      Scanner x=new Scanner(System.in);
      Computing=x.nextInt();

      System.out.print("input Maths   :- ");
      Scanner y=new Scanner(System.in);
      Maths=y.nextInt();

      System.out.print("input Science         :- ");
      Scanner z=new Scanner(System.in);
      Science =z.nextInt();

      System.out.print("input English   :- ");
      Scanner w=new Scanner(System.in);
      English=w.nextInt();

      total = Computing + Maths Science    +   English ;
    Science + English ;
      average = (total / 4);


      System.out.println(+ Computing + " " + Maths +" "+ Science + " " +
English);

      System.out.println("Total is "+total );
      System.out.println("Average is      "+average );
  }}
```

12.
```
import java.util.Scanner;
    class qq9{
```

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

        System.out.print("input inches :- ");
        Scanner a =new Scanner(System.in);
        x=a.nextDouble();
        x= (x * (25.4));
        System.out.println(+x+"mm");
}}
```

13.
```
import java.util.Scanner;
    class qq9{
    public static void main(String args[]){
      double x ;

      System.out.print("input inches :- ");
      Scanner a =new Scanner(System.in);
      x=a.nextDouble();
      x= (x * (25.4));
      System.out.println(+x+"mm");
}}
```

14.
```
import java.util.Scanner;
class qq8{
    public static void main(String args[]){
      int age;


      System.out.print("input age   :- ");
      Scanner x=new Scanner(System.in);
      age=x.nextInt();

      age = age+3;
      System.out.println(" new age "   + age );

 }}
```

15.
```
import java.util.Scanner;
    class qq9{
      public static void main(String args[]){
        int marks,total;
        double average;


        System.out.print("input A   :- ");
        Scanner o=new Scanner(System.in);
        A=o.nextInt();

        System.out.print("input B   :- ");
        Scanner p=new Scanner(System.in);
        B=p.nextInt();

        System.out.print("input C   :- ");
        Scanner q=new Scanner(System.in);
        C=q.nextInt();

        System.out.print("input D   :- ");
        Scanner r=new Scanner(System.in);
        D=r.nextInt();

        System.out.print("input E   :- ");
        Scanner s=new Scanner(System.in);
        E=s.nextInt();

        System.out.print("input F   :- ");
        Scanner t=new Scanner(System.in);
        F=t.nextInt();

        System.out.print("input G   :- ");
        Scanner u=new Scanner(System.in);
        G=u.nextInt();
```

```
            System.out.print("input H   :- ");
            Scanner v=new Scanner(System.in);
            H=v.nextInt();

            System.out.print("input I   :- ");
            Scanner w=new Scanner(System.in);
            I=w.nextInt();

            System.out.print("input J   :- ");
            Scanner z=new Scanner(System.in);
            J=z.nextInt();

            total =   A + B + C + D + E + F + G + H + I + J ;
            average = (total / 10);


            System.out.println("marks"+
        "["+A+","+B+","+C+","+D+","+E+","+F+","+G+","+H+","+I+","+J+","+"]"   );

            System.out.println("Total    : "+ total );
            System.out.println("Average  : "+average );
         }}
```

16. D. x=200;

17.C. int x=10,y=20;

18.
```
A
BCD

EF
G
```

19.
```
60
10+20+30
10+2030
102030
102030
3030
102030
```

20.
```
class qq14{
    public static void main(String args[]){

      System.out.println(0B11100100); //Line 1
      System.out.println(0b11100100); //Line 2
      System.out.println(0144);//Line 4
      System.out.println(0x64);//Line 6
```

```
            System.out.println(0xabc);//Line 7
            System.out.println(0Xffffffff);//Line 10
 }}
```

21.
```
      import java.util.Scanner;
          class qq15{
           public static void main(String     args[]){
           int x =1,sum=0;

           System.out.print("input no.1 :- ");
           Scanner a= new Scanner(System.in);
           x=a.nextInt();

           System.out.print("input no.2 :- ");
           Scanner y= new Scanner(System.in);
           sum=y.nextInt();

           sum =sum +x;
           System.out.println("the sum is "+ sum);
       }}
```

22.
```
    class qq16{
       public static void main(String args[]){
         System.out.println("Java is a typed language");
         System.out.println("AB\"CB");
         System.out.println("AB\\CB");
         System.out.println("C:\\Windows\\Program");
         System.out.println("AB\\\"CD");
         System.out.println("AB\\\\\"\"CD");
         System.out.println("AB\\nCD");
         System.out.println("AB\\tCD");
         System.out.println("AB\\bCD");
       }}
```

23.
```
  class qq17{
       public static void main(String args[]){
       int x;
       x=100;
       System.out.println(x);
       }
       }
       b. x=10
```

24.
```
 class qq18{
       public static void main(String args[]){

       System.out.println("ABC\nXY\nZPQR");

       }}
```

25.
```
    error
```

26.
```
    class qq20{
       public static void main(String args[])   {
```

```
        System.out.println("|\"/\"\\\"/\"\\\"|");
  }
 }
```

27.
```
class qq21{
  public static void main(String args[]){

    System.out.println("\""+"+\"\\\""+"+/\""+"+\"'\""+"+\"\\n\""+"+\"\\n\"");
 }
 }
```

28.
```
class qq22{
  public static void main(String args[]){

  System.out.println("Name    : Niroth\nTotal   : 673\nAverage : 67.3\nGrade   :B");
 }
 }
```

29. a.char a = '\u0061';
    b. char 'a' = 'a';
    c. char \u0061 = 'a';

30. d. Compile error at line 6

31. a. int $x;
    c. int _123;

32. f.None of the above

33. e.Compile time error

34. d. When run, the program will print 34.

35. f.None of the above

36.
```
6
123
150
1 2 3
198
ABC
365
A B C
```

37.
```
true
true
true
true
true
```

true
true

38. a.System.out.println(0B1010);
c. System.out.println(0B01010);
d. System.out.println(01010);
e. System.out.println(0x1010);
f. System.out.println(01012);

out put

10
10
520
4112
522

39. import java.util.*;
class qq33 {
public static void main(String args[]){

Scanner input=new Scanner(System.in);
System.out.print("Input your age : ");
int age=input.nextInt();
System.out.println("Your current age is : "+age);
age=age+10;
System.out.println("Your age after 10 years is : "+age);+age);
}
}

40. import java.util.*;
class qq34{
public static void main(String args[]){

Scanner input=new Scanner(System.in);
System.out.print("Input number 1 : ");
int num1=input.nextInt();

System.out.print("Input number 2 : ");
int num2=input.nextInt();

System.out.println(num1+" "+num2);

System.out.println(num2+" "+num1);
}}