

1)

```
package arithmetic;

public class Arthmatic {

    public int add(int a, int b) {

        int c = a+b;

        return c;

    }

    public int sub(int a, int b) {

        int c = a-b;

        return c;

    }

    public int mul(int a, int b) {

        int c = a*b;

        return c;

    }

    public int div(int a, int b) {

        int c = a/b;

        return c;

    }

    public int mod(int a, int b) {

        int c = a%b;

        return c;

    }

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        Arthmatic a1=new Arthmatic();

        System.out.println(a1.add(12,10));

        System.out.println(a1.sub(20,10));

    }

}
```

```

        System.out.println(a1.mul(10,10));

        System.out.println(a1.div(12,3));

        System.out.println(a1.mod(99,10));

    }

}

```

output:

22

10

100

4

9

*****2)

```
package assignmenttop;
```

```
public class Assignment {
```

```

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a=13;

        a+=10;

        int b=45;

        b-=20;

        float c=24f;

        c*=2;

        float d=25f;

        d/=5;
    }
}

```

```

        float e=26f;

        e%=5;

        System.out.println(a);

        System.out.println(b);

        System.out.println(c);

        System.out.println(d);

        System.out.println(e);

    }

}

```

output:

```

23

25

48.0

5.0

1.0

```

```

*****

```

```

3)

```

```

package realationalop;

```

```

public class Relational {

```

```

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a=12;

        int b=76;

        System.out.println(a>b);
    }
}

```

```

        System.out.println(a<b);

        System.out.println(a>=b);

        System.out.println(a<=b);

        System.out.println(a!=b);
    }

}

```

output:

```

false
true
false
true
true

```

4)

```

package logicalop;

public class Logical {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a=34;

        int b=68;

        System.out.println(a>b&a<=b);

        System.out.println(a>b|a<=b);

        System.out.println(!(a>=b));

    }

}

```

output:

false

true

true

5)

```
package assignmenttop1;
```

```
public class Assignment {
```

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

```
        // TODO Auto-generated method stub
```

```
        int a=45,b=24;
```

```
        System.out.println("value of a is= "+a);
```

```
        System.out.println(a==b);
```

```
    }
```

```
}
```

output:

value of a is= 45

false

6)

```
package agechecking;
```

```
public class Age {
```

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

```

        // TODO Auto-generated method stub

        int age=19;

        System.out.println(age>18);

    }

}

```

output:

true

7)

```
package evenorodd;
```

```
public class Testing {
```

```

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a=16;

        boolean    b;

        b=(a%2==0);

        System.out.println("number is even= "+b);

        b=(a%2==1);

        System.out.println("number is odd= "+b);

    }

}

```

output:

number is even= true

number is odd= false

8)

```
package greater;
```

```
public class Greater {
```

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

```
        // TODO Auto-generated method stub
```

```
        int a=150;
```

```
        boolean b=a>100;
```

```
        System.out.println("A is greater than 100: "+b);
```

```
        boolean c=a<100;
```

```
        System.out.println("A is smaller than 100: "+c);
```

```
        boolean d=a>200;
```

```
        System.out.println("A is greater than 200: "+d);
```

```
        boolean e=a<200;
```

```
        System.out.println("A is smaller than 200: "+e);
```

```
    }
```

```
}
```

output:

A is greater than 100: true

A is smaller than 100: false

A is greater than 200: false

A is smaller than 200: true

9)

```
package checkingnumberissameornot;
```

```
public class Check {
```

```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
  
    int a=80,b=90;  
  
    boolean c=(a==b);  
  
    System.out.println("number is same: "+c);  
  
    boolean d!=(a==b);  
  
    System.out.println("number is not same: "+d);  
}  
  
}
```

output:

number is same: false

number is not same: true
