```java
package com.pack1;

public class ClassA
{
    void meth1(int x, int y)
    {
        if(x>y)
        {
            System.out.println(x+" is biggest");
        }
        else
        {
            System.out.println(y+" is biggest");
        }
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        aobj.meth1(5, 10);
    }
}
```

```
<terminated> ClassA [Java Appli
10 is biggest
```

```java
public class ClassA
{
    void meth1(int x, int y, int z)
    {
        if(x>y)
        {
            if(x>z)
                System.out.println(x+" is biggest");
            else
                System.out.println(z+" is biggest");
        }
        else
        {
            if(y>z)
                System.out.println(y+" is biggest");
            else
                System.out.println(z+" is biggest");
        }
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        aobj.meth1(50, 100, 250);
    }
}
```

```
250 is biggest
```

2) WAP Take values of length and breadth of a rectangle from parameterized method and check if it is square or not

```
3  public class ClassA
4  {
5      void checkSquare(int length, int breadth)
6      {
7          if(length==breadth)
8              System.out.println("It is a square");
9          else
10             System.out.println("It is a rectangle");
11     }
12     public static void main(String[] args)
13     {
14         ClassA aobj=new ClassA();
15         aobj.checkSquare(50, 100);
16     }
17 }
```

```
1  package com.pack1;
2
3  public class ClassA
4  {
5      void meth1()
6      {
7          int x=1200;
8          int y=(x * 10 ) /100;
9          System.out.println(y);
10
11     }
12     public static void main(String[]
13     {
14         new ClassA().meth1();
15     }
16 }
```

<terminated> ClassA [Java

120

3)A shop will give discount of 10% if the "cost" of purchased quantity is equal to (or) more than 1000.Take a Parameterized method which gives the quantity(units) Suppose, one unit will cost 100. Judge and print total cost for user.

```
3  public class ClassA
4  {
5      void bill(int units)
6      {
7          System.out.println("Welcome to N-Mart\n");
8
9          int finalBill=units*100;
10         if(finalBill>=1000)
11         {
12             int discount=(finalBill*10)/100;
13             System.out.println("Your final bill is : "+(finalBill-discount));
14             System.out.println("Congratulations!!! you saved "+discount+" in your total bill");
15             System.out.println("Thank you vist again :)");
16         }
17         else
18         {
19             System.out.println("Your final bill is : "+finalBill);
20             System.out.println("Shop more "+(1000-finalBill)+" to get a discount of 10%");
21             System.out.println("Thank You");
22         }
23     }
24     public static void main(String[] args)
25     {
26         new ClassA().bill(12);
27     }
```

4) A school has following rules for grading system:

a. Below 25 - F

b. 25 to Below 45 - E

c. 45 to Below 50 - D

d. 50 to Below 60 - C

e. 60 to Below 80 - B

f. Above 80 - A

Take a parameterized method which takes marks as input and print the corresponding grade.

```
public class ClassA
{
    void grade(int mark)
    {
        if(mark<25)
        {
            System.out.println("Fail");
            System.out.println("Best of luck for next attempt");
        }
        else if(mark>=25 && mark<45)
            System.out.println("your grade is E");
        else if(mark>=45 && mark<50)
            System.out.println("your grade is D");
        else if(mark>=50 && mark<60)
            System.out.println("your grade is C");
        else if(mark>=60 && mark<80)
            System.out.println("your grade is B");
        else if(mark>=80 && mark<100)
            System.out.println("your grade is A");
        else
            System.out.println("Provide correct marks between 1 to 100");
    }
    public static void main(String[] args) {
        ClassA aobj=new ClassA();
        aobj.grade(200);
```

7) Write a program to check whether an entered character is lowercase (a to z) or uppercase (A to Z).

Take a parameterized method which takes a single "character" as an input

```java
package com.pack1;

public class ClassA
{
	void checkCase(char ch)
	{
		if(ch>=65&&ch<=90)
		{
			System.out.println(ch+" is in Upper case");
		}
		else if(ch>=97&&ch<=122)
		{
			System.out.println(ch+" is in Lower case");
		}
		else
			System.out.println("Pass correct alphabet");
	  }
	public static void main(String[] args)
	{
		new ClassA().checkCase('A');
		new ClassA().checkCase('Z');
		new ClassA().checkCase('a');
		new ClassA().checkCase('z');
	  }
}
```

```
<terminated> ClassA [Java Application
A is in Upper case
Z is in Upper case
a is in Lower case
z is in Lower case
```

```java
public class ClassB
{
    String meth1(int a, int b, int c)
    {
        String result;

        if (a > b) {
            if (b > c) {
                result = "a > b > c";
            } else if (a > c) {
                result = "a > c > b";
            } else {
                result = "c > a > b";
            }
        } else {
            if (a > c) {
                result = "b > a > c";
            } else if (b > c) {
                result = "b > c > a";
            } else {
                result = "c > b > a";
            }
        }
```

```
26          if (a == b) {
27              if (b == c) {
28                  result = "a == b == c";
29              } else if (a > c) {
30                  result = "a == b > c";
31              } else {
32                  result = "c > a == b";
33              }
34          } else if (b == c) {
35              if (a > b) {
36                  result = "a > b == c";
37              } else {
38                  result = "b == c > a";
39              }
40          } else if (a == c) {
41              if (b > a) {
42                  result = "b > a == c";
43              } else {
44                  result = "a == c > b";
45              }
46          }
47          return result;
48      }
```

```
49      public static void main(String[] args)
50      {
51          ClassB bobj=new ClassB();
52          System.out.println(bobj.meth1(3, 2, 1));
53          System.out.println(bobj.meth1(1, 2, 3));
54          System.out.println(bobj.meth1(2, 3, 1));
55          System.out.println(bobj.meth1(1, 1, 1));
56          System.out.println(bobj.meth1(2, 2, 3));
57          System.out.println(bobj.meth1(3, 1, 1));
58          System.out.println(bobj.meth1(1, 3, 2));
59          System.out.println(bobj.meth1(2, 1, 2));
60      }
61  }
```

1) WAP Take a parameterized constructor with two int values and print greatest among them.

2) WAP Take values of length and breadth of a rectangle from parameterized method and check if it is square or not

3)A shop will give discount of 10% if the "cost" of purchased quantity is equal to (or) more than 1000.Take a Parameterized method which gives the quantity(units) Suppose, one unit will cost 100. Judge and print total cost for user.

4) A school has following rules for grading system:
a. Below 25 - F
b. 25 to Below 45 - E
c. 45 to Below 50 - D
d. 50 to Below 60 - C
e. 60 to Below 80 - B
f. Above 80 - A
Take a parameterized method which takes marks as

input and print the corresponding grade.

---

5) A company decided to give bonus of 5% to employee if his/her year of service is more than 5 years. Take a parameterized method which takes users salary and year of service and print the bonus amount & Updated Salaray.

6) A student will not be allowed to sit in exam if his/her attendance is less than 75%.

Take a parameterized method which takes

===> Number of classes held

===> Number of classes attended.

And print percentage of class attended

Is student is allowed to sit in exam or not.

7) Write a program to check whether an entered character is lowercase (a to z) or uppercase (A to Z).

Take a parameterized method which takes a single "character" as an input.

8) Given an integer, n, perform the following conditional

actions:

If n is odd, print Weird
If n is even and in the inclusive range of 2 to 5, print Not Weird
If n is even and in the inclusive range of 6 to 20, print Weird
If n is even and greater than 20, print Not Weird