/*1.Write a java application to accept voter age,check and display message whether he/she is eligible for voting or not on given criteria:-

[eligibility>=18] */

```
import java.util.Scanner;
class VoterEligibility{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
System.out.println();
System.out.print("Enter age of voter ::");
int age=s.nextInt();
//System.out.println(age);
String c="not ";
if(age>=18)
c="";
System.out.println("He/She is "+c+"eligible for voting.");
```

}//Close of main

}//Close of class

//OUTPUT

```
Enter age of voter ::17
He/She is not eligible for voting.

Enter age of voter ::18
He/She is eligible for voting.
```

/*2.Write a java application to accept an integer number, check and display message whether the given number is even or odd no. */

```
import java.util.Scanner;
class CheckEvenOdd{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
System.out.println();
System.out.print("Enter an integer number ::");
int num=s.nextInt();
//System.out.println(num);
String c="Odd";
if(num%2==0)
c="even";
System.out.println("Given no. "+num+" is an "+c+" number.");
```

}//Close of main

}//Close of class

//OUTPUT

```
Enter an integer number ::21
Given no. 21 is an Odd number.

Enter an integer number ::10
Given no. 10 is an even number.
```

/*3.Write a java application to accept an integer number, check and display message whether the given number is positive or negative no. */

```
import java.util.Scanner;
class CheckPositiveNegativeNo{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
System.out.println();
System.out.print("Enter an integer no ::");
int num=s.nextInt();
//System.out.println(num);
String  c="negative";
if(num>=0)
c="positive";
System.out.println("Given number "+num+" is "+c+" number.");
```

}//Close of main

}//Close of class

//OUTPUT

```
Enter an integer no ::5
Given number 5 is positive number.

Enter an integer no ::-3
Given number -3 is negative number.
```

/*4.Write a java application to accept two integer number, check and display the highest value. */

```
import java.util.Scanner;
class HighestValue{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
System.out.println();
System.out.print("Enter 1st number ::");
int num1=s.nextInt();
//System.out.println(num1);
System.out.print("Enter 2nd number ::");
int num2=s.nextInt();
//System.out.println(num2);
if(num1>num2)
System.out.println("Given number "+num1+" is greater than "+num2+".");
else
System.out.println("Given number "+num2+" is greater than "+num1+".");
```

}//Close of main

}//Close of class

//OUTPUT

```
Enter 1st number ::10
Enter 2nd number ::11
Given number 11 is greater than 10.
```

Enter 1st number ::22

Enter 2nd number ::21

Given number 22 is greater than 21.

/*5.Write a java application to accept two integer number, check and display the smallest value. */

```
import java.util.Scanner;
class SmallestValue{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
System.out.println();
System.out.print("Enter 1st number ::");
int num1=s.nextInt();
//System.out.println(num1);
System.out.print("Enter 2nd number ::");
int num2=s.nextInt();
//System.out.println(num2);
if(num1<num2)
System.out.println("Given number "+num1+" is smaller than "+num2+".");
else
System.out.println("Given number "+num2+" is smaller than "+num1+".");
}//Close of main
}//Close of class
```

//OUTPUT

Enter 1st number ::11

Enter 2nd number ::21

Given number 11 is smaller than 21.

Enter 1st number ::55

Enter 2nd number ::49

Given number 49 is smaller than 55.

/*6.Write a java application to accept Employee code , Employee name, post and basic pay of the Employee. Calculate dearness allowance(i:e; da) @ 30% of the basic pay if basic pay is more than Rs. 10000/- otherwise @ 25%. Similarly calculate house rent allowance(i:e; hra) @ 15% of the basic if basic pay is less than Rs. 8000/- otherwise @ 20%. Medical allowance is fixed Rs. 2500/- paid to each employee per month. Calculate and display Employee Salary details in the following fashion as income tax is to be deducted @ 12% of the gross/total salary:-

=====Employee Salary Details===dated:.....

Employee Code :.....

Employee Name :.....

Post/Designation :.....

Basic Pay in Rs. :.....

Dearness allowance in Rs. :.....

House Rent allowance in Rs. :.....

Medical allowance in Rs. :.....

Gross/Total Salary in Rs. :.....

Income tax deduction in Rs. :.....

Net Salary in Rs. :..... */

```
import java.util.*;
class EmployeeSalary{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
double da,hra;
final double  ma=2500;
System.out.println();
System.out.println("Begin Inserting Employee Details.....");
System.out.print("Enter Employee Code              ::");
String empCode=s.nextLine().toUpperCase();
//System.out.println(empCode);
System.out.print("Enter Employee Name             ::");
String empName=s.nextLine().toUpperCase();
//System.out.println(empName);
System.out.print("Enter Post/Designation    ::");
String empPost=s.nextLine().toUpperCase();
//System.out.println(empPost);
System.out.print("Enter Employee Basic Pay::");
```

```
double empBasicPay=s.nextDouble();
//System.out.println(empBasicPay);
if(empBasicPay>10000)
da=empBasicPay*30/100;
else
da=empBasicPay*25/100;
if(empBasicPay<8000)
hra=empBasicPay*15/100;
else
hra=empBasicPay*20/100;
double gross=empBasicPay+da+hra+ma;
double itax=gross*12/100;
double net=gross+itax;
System.out.println("=====Employee Salary Details===dated:"+new Date());
System.out.println("Employee Code          :"+empCode);
System.out.println("Employee Name          :"+empName);
System.out.println("Post/Designation       :"+empPost);
System.out.println("Basic pay in Rs.       :"+empBasicPay);
System.out.println("Dearness allowance in Rs.    :"+da);
System.out.println("House rent allowance in Rs.  :"+hra);
System.out.println("Medical allowance in Rs.     :"+ma);
System.out.println("-------------------------------------------------");
System.out.println("Gross Salary in Rs.          :"+gross);
System.out.println("Income tax deduction in Rs.  :"+itax);
System.out.println("-------------------------------------------------");
```

```
System.out.println("Net Salary in Rs.          :"+net);
System.out.println("=========================================");
```

}//Close of main

}//Close of class

//OUTPUT

```
Begin Inserting Employee Details.....
Enter Employee Code             ::E001
Enter Employee Name             ::ABHIJEET KUMAR
Enter Post/Designation          ::EXECUTIVE
Enter Employee Basic Pay        ::35000.0
=====Employee Salary Details===dated:Mon Jan 11 19:03:24 IST 2016
Employee Code                   :E001
Employee Name                   :ABHIJEET KUMAR
Post/Designation                :EXECUTIVE
Basic pay in Rs.                :35000.0
Dearness allowance in Rs.       :10500.0
House rent allowance in Rs.     :7000.0
Medical allowance in Rs.        :2500.0
-----------------------------------------------------
Gross Salary in Rs.             :55000.0
Income tax deduction in Rs.     :6600.0
-----------------------------------------------------
Net Salary in Rs.               :61600.0
=========================================
```

Begin Inserting Employee Details.....

Enter Employee Code ::E002

Enter Employee Name ::RAJAN PAL

Enter Post/Designation ::CLERK

Enter Employee Basic Pay ::20000.0

=====Employee Salary Details===dated:Mon Jan 11 19:03:37 IST 2016

Employee Code :E002

Employee Name :RAJAN PAL

Post/Designation :CLERK

Basic pay in Rs. :20000.0

Dearness allowance in Rs. :6000.0

House rent allowance in Rs. :4000.0

Medical allowance in Rs. :2500.0

Gross Salary in Rs. :32500.0

Income tax deduction in Rs. :3900.0

Net Salary in Rs. :36400.0

==========

/*7.Write a java application to accept item code, item name, company name, mrp and quantity taken. Calculate and print the Bill/Invoice in the given fashion as flat 30% discount is given on all product having product type "1" otherwise @ 20%. Further 1% VAT is to be paid by the consumer on getting bill.

=======Bill/Invoice details====dated:.....

Item Code :.....

Item Name :.....

Item Type :.....

Company Name :.....

M.R.P. in Rs. :.....

Quantity taken :.....

Total amount in Rs. :.....

Discount amount in Rs. :.....

Payable amount in Rs. :.....

1% VAT in Rs. :.....

Net Bill/Invoicing amount in Rs. :.....

========== */


```
import java.util.*;
class Invoice{
public static void main(String args[]){
Scanner s=new Scanner(System.in);
double dist;
System.out.println();
```

```
System.out.print("Enter Item Code                ::");
String itemCode=s.nextLine().toUpperCase();
//System.out.println(itemCode);
System.out.print("Enter Item Name                ::");
String itemName=s.nextLine().toUpperCase();
//System.out.println(itemName);
System.out.print("Enter Item Type as 1/2/....    ::");
int type=s.nextInt();
//System.out.println(type);
System.out.print("Enter Company Name             ::");
s.nextLine();
String cName=s.nextLine().toUpperCase();
//System.out.println(cName);
System.out.print("Enter M.R.P. in Rs.            ::");
double mrp=s.nextDouble();
//System.out.println(mrp);
System.out.print("Enter Quantity taken           ::");
int quantity=s.nextInt();
//System.out.println(quantity);
double total=mrp*quantity;
if(type==1)
dist=total*30/100;
else
dist=total*20/100;
double gross=total-dist;
```

```
double vat=gross*1/100;
double netBill=gross+vat;
System.out.println("=======Bill/Invoice details====dated:"+new Date());
System.out.println("Item Code                :"+itemCode);
System.out.println("Item Name                :"+itemName);
System.out.println("Item Type                :"+type);
System.out.println("Company Name             :"+cName);
System.out.println("M.R.P. in Rs.            :"+mrp);
System.out.println("Quantity taken           :"+quantity);
System.out.println("-----------------------------------------------------");
System.out.println("Total amount in Rs.      :"+total);
System.out.println("Discount in Rs.          :"+dist);
System.out.println("-----------------------------------------------------");
System.out.println("Payable Amount in Rs.    :"+gross);
System.out.println("1% vat in Rs.            :"+vat);
System.out.println("-----------------------------------------------------");
System.out.println("Net Bill amount in Rs.   :"+netBill);
System.out.println("====================================");
```

}//Close of main

}//Close of class

//OUTPUT

```
Enter Item Code              ::I001
Enter Item Name              ::SHIRT
Enter Item Type as 1/2/....  ::1
```

Enter Company Name ::J.HEMPSTEAD

Enter M.R.P. in Rs. ::2000.0

Enter Quantity taken ::1

=======Bill/Invoice details====dated:Mon Jan 11 19:43:40 IST 2016

Item Code :I001

Item Name :SHIRT

Item Type :1

Company Name :J.HEMPSTEAD

M.R.P. in Rs. :2000.0

Quantity taken :1

Total amount in Rs. :2000.0

Discount in Rs. :600.0

Payable Amount in Rs. :1400.0

1% vat in Rs. :14.0

Net Bill amount in Rs. :1414.0

==========

Enter Item Code ::I002

Enter Item Name ::LED TV

Enter Item Type as 1/2/.... ::2

Enter Company Name ::SONY BRAVIA

Enter M.R.P. in Rs. ::30000.0

Enter Quantity taken ::1

=======Bill/Invoice details====dated:Mon Jan 11 19:46:01 IST 2016

Item Code :I002

Item Name :LED TV

Item Type :2

Company Name :SONY BRAVIA

M.R.P. in Rs. :30000.0

Quantity taken :1

Total amount in Rs. :30000.0

Discount in Rs. :6000.0

Payable Amount in Rs. :24000.0

1% vat in Rs. :240.0

Net Bill amount in Rs. :24240.0

==========