**1.Find the number is odd or even**

**import** java.util.\*;

**public** **class** Odd\_or\_even

{

**public** **static** **void** main(String[] args)

{

**int** a;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number : ");

a = sc.nextInt();

**if**(a%2 == 0)

{

System.***out***.println(a+" is the even number");

}

**else**

{

System.***out***.println(a+" is the odd number");

}

}

}

**2.check the number is positive or negative number**

**import** java.util.\*;

**public** **class** num

{

**public** **static** **void** main(String[] args)

{

**int** a;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number : ");

a = sc.nextInt();

**if**(a > 0)

{

System.***out***.println("It is a positive number");

}

**else** **if**(a < 0)

{

System.***out***.println("It is a negative number");

}

}

}

**3.Divisible by n or not**

**import** java.util.\*;

**public** **class** Assign

{

**public** **static** **void** main(String[] args)

{

**int** a;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number : ");

a = sc.nextInt();

**if**(a%5 == 0)

{

System.***out***.println("The number is divisible by 5");

}

**else**

{

System.***out***.println("It is not divisble by 5");

}

}

}

**4.Read two integers and swap it**

**import** java.util.\*;

**public** **class** Swap

{

**public** **static** **void** main(String[] args)

{

**int** a, b, c;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number for a: ");

a = sc.nextInt();

System.***out***.println("Enter the number for b: ");

b = sc.nextInt();

c = a;

a = b;

b = c;

System.***out***.println("After the swapping the number of a is : "+a);

System.***out***.println("After the swapping the number of b is : "+b);

}

}

**5.check the two numbers is equal or not**

**import** java.util.\*;

**public** **class** Assign

{

**public** **static** **void** main(String[] args)

{

**int** a, b;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number for a: ");

a = sc.nextInt();

System.***out***.println("Enter the number for b: ");

b = sc.nextInt();

**if**(a == b)

{

System.***out***.println("a is equal to b");

}

**else**

{

System.***out***.println("a is not equal to b");

}

}

}

**6.Find the biggest of the three numbers**

**import** java.util.\*;

**public** **class** Assign

{

**public** **static** **void** main(String[] args)

{

**int** a, b, c;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the number for a: ");

a = sc.nextInt();

System.***out***.println("Enter the number for b: ");

b = sc.nextInt();

System.***out***.println("Enter the number for c: ");

c = sc.nextInt();

**if**(a>b && a>c)

{

System.***out***.println("a is the largest number");

}

**else** **if**(b>a && b>c)

{

System.***out***.println("b is the largest number");

}

**else**

System.***out***.println("c is the largest number");

}

}

**7.Find the given year is leap year or not**

**import** java.util.\*;

**public** **class** Assign

{

**public** **static** **void** main(String[] args)

{

**int** a;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the year: ");

a = sc.nextInt();

**if**(a%4 == 0 || a%400 == 0 || a%100 == 0)

{

System.***out***.println("It is a leap year");

}

**else**

{

System.***out***.println("It is not a leap year");

}

}

}

**8.Palindrome or not**

**class** Palin

{

**int** a = 1112;

**int** b = 0;

**int** c = a;

**void** invert()

{

**while**(a!=0)

{

b = (b\*10)+(a%10);

a = a/10;

}

System.***out***.println(b);

**if**(b == c)

{

System.***out***.println("It is a palindrome");

}

**else**

{

System.***out***.println("It is not a palindrome");

}

}

}

**public** **class** Palindrome

{

**public** **static** **void** main(String args[])

{

Palin obj = **new** Palin();

obj.invert();

}

}

**9.Armstrong number or not**

**class** Arm

{

**int** a = 153;

**int** c = a;

**int** b = 0;

**int** d;

**void** method()

{

**while**(a > 0)

{

d = a%10;

b = (d\*d\*d)+b;

a = a/10;

}

System.***out***.println(b);

**if**(b == c)

{

System.***out***.println("It is a Armstrong number");

}

**else**

{

System.***out***.println("It is not a Armstrong number");

}

}

}

**public** **class** Armstrong

{

**public** **static** **void** main(String[] args)

{

Arm obj = **new** Arm();

obj.method();

}

}

**10.Extract last two digits of a year**

**import** java.util.\*;

**public** **class** Assign

{

**public** **static** **void** main(String[] args)

{

**int** a;

**int** b;

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter the year: ");

a = sc.nextInt();

b = a/100;

System.***out***.println(b);

}

}

**11.Display the ATM transaction**

**public** **class** ATM

{

**public** **static** **void** displayBal(**int** balance)

{

System.***out***.println("Current Balance : " + balance);

System.***out***.println();

}

**public** **static** **int** amountWithdrawing(**int** balance, **int** withdrawAmount)

{

System.***out***.println("Withdrawn Operation:");

System.***out***.println("Withdrawing Amount : "+ withdrawAmount);

**if** (balance >= withdrawAmount)

{

balance = balance - withdrawAmount;

System.***out***.println("Please collect your money and collect the card");

*displayBal*(balance);

}

**else**

{

System.***out***.println("You have no money in your account");

}

**return** balance;

}

**public** **static** **int** amountDepositing(**int** balance, **int** depositAmount)

{

System.***out***.println("Deposit Operation:");

System.***out***.println("Depositing Amount : "+ depositAmount);

balance = balance + depositAmount;

System.***out***.println("Your Money has been successfully deposited");

*displayBal*(balance);

**return** balance;

}

**public** **static** **void** main(String args[])

{

**int** balance = 10000;

**int** withdrawAmount = 5000;

**int** depositAmount = 2000;

*displayBal*(balance);

balance = *amountWithdrawing*(balance, withdrawAmount);

balance = *amountDepositing*(balance, depositAmount);

}

}