**Problem no 1**

**Creat small calculation add,sub,mul,div**

**package** demo;

**public** **class** test {

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

// **TODO** Auto-generated method stub

**int** a=50;

**int** b=50;

**int** c=a+b;

**int** d=a-b;

**int** e=a\*b;

**int** f=a/b;

System.***out***.println("Addition Result:"+c);

System.***out***.println("Subtraction Result:"+d);

System.***out***.println("Multiplaction Result:"+e);

System.***out***.println("Division Result:"+f);

}

}

Output:

Addition Result:100

Subtraction Result:0

Multiplaction Result:2500

Division Result:1

Problem no 2

With a single integer as the input generate

**package** demo;

**import** java.util.Scanner;

**public** **class** test {

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

// **TODO** Auto-generated method stub

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

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

**int** num=scan.nextInt();

**if**(num==1) {

System.***out***.println("then output: 1");

}

**else** **if**(num==2) {

System.***out***.println("then output: 1,3");

}

**else** **if**(num==3) {

System.***out***.println("then output: 1,3,5");

}

**else** **if**(num==4) {

System.***out***.println("then output: 1,3,5,7");

}

**else** {

System.***out***.println("then output: 1,3,5,7,.......");

}

}

}

Output:

Enter a number

1

then output: 1

Enter a number

2

then output: 1,3

Enter a number

3

then output: 1,3,5

Enter a number

4

then output: 1,3,5,7

Enter a number

5

then output: 1,3,5,7,.......

Problem no 3

With a single integer as the input generate

**package** demo;

**import** java.util.Scanner;

**public** **class** test {

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

// **TODO** Auto-generated method stub

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

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

**int** num=scan.nextInt();

**if**(num==1||num==2) {

System.***out***.println("then output: 1");

}

**else** **if**(num==3||num==4) {

System.***out***.println("then output: 1,3,5");

}

**else** **if**(num==5||num==6) {

System.***out***.println("then output: 1,3,5,7,9");

}

**else** {

System.***out***.println("then output: 1,3,5,7,.......");

}

}

}

Output:

Enter a number

1

then output: 1

Enter a number

2

then output: 1

Enter a number

3

then output: 1,3,5

Enter a number

4

then output: 1,3,5

Enter a number

5

then output: 1,3,5,7,9

Enter a number

6

then output: 1,3,5,7,9

Enter a number

7

then output: 1,3,5,7,.......