1. Write a program to accepts two numbers from stdin and find all the odd as well as even numbers present in between them.

**import** java.util.Scanner;

**public** **class** Main {

**private** **static** Scanner *sc*;

**static** **int** *a*[]=**new** **int**[50]; //to store even numbers

**static** **int** *b*[]=**new** **int**[50]; //to store odd numbers

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

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

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

System.out.println("enter the starting and ending number");

**int** s=*sc*.nextInt(); //starting number(range)

**int** e=*sc*.nextInt(); //ending number(range)

**int** c=0;

**int** d=0;

**for**(**int** i=s;i<=e;i++){

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

{

*a*[c]=i;

c++;

}

**else**

{*b*[d]=i;

d++;

}}

System.***out***.println("even numbers are");

**for**(**int** j=0;j<c;j++){

System.***out***.println(*a*[j]); //prints the even number present in the given range

}

System.***out***.println("odd numbers are");

**for**(**int** k=0;k<d;k++){

System.***out***.println(*b*[k]); // prints the odd number present in the given range

}

}

}

2.Joe is scared to go to school. When her dad asked the reason, Joe said she is unable to complete the task given by her teacher. The task was to find the “first 10 multiples” of the number entered from stdin.

**import** java.util.Scanner;

**public** **class** Main {

**private** **static** Scanner *sc*;

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

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

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

System.out.println("enter the number");

**int** t=*sc*.nextInt(); //the number for which the first 10 multiple is created

**for**(**int** i=1;i<=10;i++){

**int** m=t\*i;

System.***out***.println(t+"\*"+i+"="+m);

}

}

}

3)Write a program consisting method sum() and demonstrate the concept of method overloading using this method.

**public** **class** Main {

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

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

Add a=**new** Add();

**int** ss=a.sum(10, 20); //passing value to the method

**int** sa=a.sum(10, 20,30); // passing value to the method

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

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

}}

**class** Add{

**public** **int** sum(**int** a,**int** b){

**int** c=a+b;

**return** c;

}

**public** **int** sum(**int** x,**int** y,**int** z){

**int** add=x+y+z;

**return** add;

}

}