**----------------------this pointer program----------------------**

package com.calculator;  
  
class Calculator  
{  
 int num1;  
 int num2;  
 int result;  
  
 Calculator(int num1, int num2)  
 {  
 this.num1 = num1 ;  
 this.num2 = num2;  
  
 result = this.num1 + this.num2 ;  
 }  
}  
public class Main {  
  
 public static void main(String[] args) {  
  
 Calculator obj = new Calculator(10 , 10);  
  
  
 System.*out*.println( obj.result);  
 }  
}

**-----------------------------Calculator program----------------------------**

package com.calculator;  
import java.util.Scanner;  
class Calculator  
{  
 int num1;  
 int num2;  
 int add, sub;  
 double div, mult;  
 public Calculator()  
 {  
 System.*out*.print("Enter The two numbers : ");  
 Scanner scan = new Scanner(System.*in*);  
 num1 = scan.nextInt();  
 num2 = scan.nextInt();  
  
 }  
 public void add()  
 {  
 add = num1 + num2;  
 System.*out*.println("Addition is : " + add);  
 }  
 public void sub()  
 {  
 sub = num1 - num2;  
 System.*out*.println("Subtraction is : " + sub);  
 }  
 public void mult()  
 {  
 mult = num1 \* num2;  
 System.*out*.println("Multiplication is : " + mult);  
 }  
 public void div()  
 {  
 div = num1 / num2 ;  
 System.*out*.println("Division is : " + div);  
 }  
}  
public class Main  
{  
 public static void main(String[] arrs)  
 {  
 Calculator obj = new Calculator();  
 obj.add();  
 obj.sub();  
 obj.mult();  
 obj.div();  
 }  
}

**-------------- OPERATOR OVERLOADING-----------**

//function or mathod overloading  
package com.calculator;  
  
import java.util.Scanner;  
  
class Overloading  
{  
 public void add(int i, int j)  
 {  
 System.*out*.println(i+j);  
 }  
  
 public void add(int i, int j, int k)  
 {  
 System.*out*.println(i+j+k);  
 }  
  
 public void add(double i, double j)  
 {  
 System.*out*.println(i+j);  
 }  
}  
public class Main{  
 public static void main(String []agds)  
 {  
 Overloading obj = new Overloading();  
 obj.add(5,5);  
 obj.add(5,5,5);  
 obj.add(5.5,5.5);  
 }  
}

**---------------Constructor Overloading------------------**

//function or mathod overloading  
package com.calculator;  
  
import java.util.Scanner;  
  
class add  
{  
 public add(int i, int j)  
 {  
 System.*out*.println(i+j);  
 }  
  
 public add(int i, int j, int k)  
 {  
 System.*out*.println(i+j+k);  
 }  
  
 public add(double i, double j)  
 {  
 System.*out*.println(i+j);  
 }  
}  
public class Main{  
 public static void main(String []agds)  
 {  
 add o = new add(5,5);  
 add o1 = new add(5,5,5);  
 add o2 = new add(5.5,5.5);  
 }  
}

**--------------------------Satic keyword------------------------------------**

//static keyword  
package com.calculator;  
import java.util.Scanner;  
  
class Staic{  
 String ename;  
 int eid;  
 static int *ceo*;  
  
// static {  
// System.out.print("Enter the CEO");  
// Scanner scan1 = new Scanner(System.in);  
// ceo = scan1.nextInt();  
// }  
  
 public Staic(){  
 System.*out*.print("Enteer the name : ");  
 Scanner scan = new Scanner(System.*in*);  
 ename = scan.nextLine();  
 eid = scan.nextInt();  
 System.*out*.print(ename + " " + eid);  
 }  
}  
public class Main{  
 static int *i* = 2;  
 public static void main(String[] agrs)  
 {  
 for (int ii = 0 ; ii < *i* ; ii++ )  
 {  
 Staic obj = new Staic();  
  
 }  
 }  
  
}