//Assignment 7

//1.

**package** psr;

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

**public** **class** homework {

**int** result;

**static** **int** *operationCount*=0;

**void** add(**int** a,**int** b) {

result=a+b;

*operationCount*++;

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

}

**static** **void** displayoperationCount() {

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

}

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

homework obj = **new** homework();

obj.add(10,20 );

homework obj2=**new** homework ();

obj2.add(30, 50);

homework.*displayoperationCount*();

}

}

//2.

**package** psr;

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

**class** bank{

**private** **int** balance=10000;

**void** deposit(**int** amount) {

balance=balance+amount;

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

}

**void** getbalance() {

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

}

}

**public** **class** homework {

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

bank obj= **new** bank();

obj.deposit(10000);

obj.getbalance();

}

}

//3.

**package** psr;

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

**class** Student{

**int** rollnumber;

String Name;

Student(**int** rollnumber,String Name){ //overloading

**this**.rollnumber=rollnumber; //constructor access keyword "this."

**this**.Name=Name;

}

Student(**int** rollnumber){ // overloading

**this**.rollnumber=rollnumber; //constructor access keyword "this."

**this**.Name="unknown";

}

**void** display() {

System.***out***.println("Roll Number: " + rollnumber);

System.***out***.println("Name: "+Name);

}

}

**public** **class** homework {

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

Student obj1=**new** Student(29,"Saranya");

Student obj =**new** Student(14);

obj.display();

obj1.display();

}

}