1)code and execute and debugprograms that uses diffrerent types of variables and datatype

a)write a program to illustrate java variable

example:add two numbers

programme:

public class variable{

public static void main(String[]args){

int a=10;

int b=20;

int c=a+b;

System.out.println("Addition of "+a+" And "+b+"="+c);

}

}

output:

Addition of 10 And 20=30

b)program to illlustrate creating multiple objects by one type only

programme:

public class Rectangle {

int length ;

int width;

void insert (int l,int w){

length=l;

width=w;

}

void calculateArea(){

System.out.println("Area of rectangle="+length\*width);

}

static class TestRectangle2 {

public static void main(String[] args) {

Rectangle r1 = new Rectangle(), r2 = new Rectangle();

r1.insert(11, 2);

r2.insert(3, 15);

r1.calculateArea();

r2.calculateArea();

}

}

}

output:

Area of rectangle=22

Area of rectangle=45

c) program to illustrate creating variable of different types

public class Employee {

int id;

String name;

float salery;

void insert(int i,String n,float s){

id=i;

name=n;

salery=s;

}

void display(){

System.out.println(id+" "+name+" "+salery);

}

public static void main(String args[]){

Employee e1=new Employee();

Employee e2= new Employee();

Employee e3 = new Employee();

e1.insert(101,"sudha",50000);

e2.insert(102,"Madhu",25000);

e3.insert(103,"Mani",45000);

e1.display();

e2.display();

e3.display();

}

}

output:

101 sudha 50000.0

102 Madhu 25000.0

103 Mani 45000.0