**Q.1**

/\*

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\*/

package worksheet2;

import java.util.Scanner;

/\*\*

\*

\* @author manoj

\*/

public class box2 {

double height;

double width;

double depth;

void getvalue()

{

Scanner in = new Scanner(System.in);

System.out.println("Enter the values");

height =in.nextDouble();

width =in.nextDouble();

depth =in.nextDouble();

}

void volume()

{

double vol=height\*width\*depth;

System.out.println("volume="+vol);

}

}

public class boxx1{

public static void main(String[]args)

{

box2 obj=new box2();

obj.getvalue();

obj.volume();

}

}

**Q.2**

/\*

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package worksheet2;

import java.util.Scanner;

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double vol=height\*width\*depth;

System.out.println("volume="+vol);

}

}

public class boxx1{

public static void main(String[]args)

{

box2 obj=new box2();

obj.getvalue();

obj.volume();

}

}

**Q.3**

/\*

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\*/

package worksheet2;

import java.util.Scanner;

/\*\*

\*

\* @author manoj

\*/

class arithmetic {

int a,b,c;

void getvalue()

{

System.out.println("ENTER THE VALUES OF A AND B");

Scanner in= new Scanner(System.in);

a=in.nextInt();

b=in.nextInt();

}

void add()

{

c=a+b;

System.out.println("addition is done:a+b="+c);

}

void sub()

{

c=a-b;

System.out.println("subraction is done:a-b="+c);

}

void mul()

{

c=a\*b;

System.out.println("multiplication is done:a\*b="+c);

}

void div()

{

c=a/b;

System.out.println("division is done:a/b="+c);

}

}

public class arithmetic1{

public static void main(String[]args)

{

arithmetic obj=new arithmetic();

obj.getvalue();

obj.add();

obj.sub();

obj.mul();

obj.div();

}

}

**Q.4**

/\*

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\*/

package worksheet2;

import java.util.Scanner;

/\*\*

\*

\* @author manoj

\*/

class student1{

int m1;

int m2;

int m3;

String name;

String dept;

String status;

int avg;

void getdata()

{

Scanner in = new Scanner(System.in);

System.out.println("Enter the marks,name,dept");

m1 =in.nextInt();

m2 =in.nextInt();

m3 =in.nextInt();

name=in.next();

dept=in.next();

}

void Markcal()

{

avg=(m1+m2+m3)/3;

System.out.println("average="+avg);

System.out.println("Status calculation:");

if((m1>40)&&(m2>40)&&(m3>40))

{

status="pass";

System.out.println(status);

}

else

{

status="fail";

System.out.println(status);

}

System.out.println("Grade calculation:");

if(avg>90&&avg<=100)

System.out.println("o grade");

if(avg>90&&avg<=100)

System.out.println("a+ grade");

if(avg>80&&avg<=90)

System.out.println("a grade");

if(avg>70&&avg<=80)

System.out.println("b+ grade");

if(avg>60&&avg<=70)

System.out.println("b grade");

if(avg>50&&avg<=60)

System.out.println("c+ grade");

if(avg>=40&&avg<=50)

System.out.println("c grade");

if(avg<40)

System.out.println("RA ");

}

void display()

{

System.out.println("student name:"+name);

System.out.println("student Department:"+dept);

}

}

public class student{

public static void main(String[]args)

{

int i;

student1 obj=new student1();

for(i=0;i<10;i++)

{

obj.getdata();

obj.Markcal();

obj.display();

}

}

}