```java
/*
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 */

package revision;

/**
 *
 * @author Shalmon
 */
class calculate{
    int a = 6;
    int b = 8;
    void area(){
        int c = a*b;
        System.out.println("Area of
rectangle is: " + c);
    }
    void perimeter(){
```

```java
        int c = (2*a)+(2*b);
        System.out.println("Perimeter of
rectangle is: " + c);
    }
}
public class question1 {
    public static void main(String[]
args){
        calculate c1 = new calculate();
        c1.area();
        c1.perimeter();
    }
}
```

```java
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package revision;

/**
 *
 * @author Shalmon
 */
class student{
    String name;
    int roll_no;
}
public class question2 {
    public static void main(String[]
args){
        student s1 = new student();
        s1.name = "John";
```

```java
        s1.roll_no = 2;


        System.out.println("Name is " +
s1.name + " and roll no is " +
s1.roll_no);
    }
}
```

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package revision;

/**
 *
 * @author Shalmon
 */
class rectangle{
    void area(int a, int b){
        int c = a*b;
        System.out.println("area is " +
c);
    }
}

public class question3 {
```

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

        rectangle r1 = new rectangle();

        r1.area(4,5);

        r1.area(5,8);

    }

}
```

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 */

package revision;

/**
 *
 * @author Shalmon
 */

import java.util.Scanner;

class average{
    average(float a, float b, float c){
        float avg = (a+b+c)/3;
        System.out.println("average was "
+ avg);
    }
```

```java
}
public class question4 {
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter first 1: ");
        float a = sc.nextInt();
        System.out.println("Enter Second 1: ");
        float b = sc.nextInt();
        System.out.println("Enter Thing 1: ");
        float c = sc.nextInt();

        average a1 = new average(a,b,c);

    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

class employee{
    void these_nuts(String name, int year,
String address){

System.out.println(name+"\t"+year+"\t"+add
ress);
    }
}
public class question5 {
```

```java
    public static void main(String[] args){

        employee e1 = new employee();

        System.out.println("Name\tYear of joining\tAddress");

        e1.these_nuts("Robert", 1994, "64c-wallstreet");

        e1.these_nuts("Sam", 2000, "68D-wallstreet");

        e1.these_nuts("John", 1999, "26B-wallstreet");
    }
}
```

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 */

package revision;

/**
 *
 * @author Shalmon
 */

class perimeter1{
    void peri(){
        System.out.println("perimeter
called");
    }
}

class peri_square1 extends perimeter1{
```

```java
    void p_sq(){
        System.out.println("peri_square
called");
    }
}


public class question6 {
    public static void main(String[]
args){
        peri_square1 ps1 = new
peri_square1();

        ps1.peri();
        ps1.p_sq();
    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

class perimeter2{
    void peri(){
        System.out.println("perimeter
called");
    }
}

class peri_triangle2 extends perimeter2{
```

```java
    void p_t(){
        System.out.println("peri_triangle called");
    }
}


class peri_square2 extends peri_triangle2{
    void p_sq(){
        System.out.println("peri_square called");
    }
}


public class question7 {
    public static void main(String[] args){
        peri_square2 ps1 = new peri_square2();

        ps1.peri();
        ps1.p_t();
        ps1.p_sq();
    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

class perimeter3{
    void perimeter3(){
        System.out.println("perimeter");
    }
}
//ruko aaya
class peri_square3 extends perimeter3{
    void peri_square3(){
```

```java
        System.out.println("peri_sqaure");
    }
}


class peri_triangle3 extends perimeter3{
    void peri_triangle3(){

System.out.println("peri_triangle");
    }
}


public class question8 {
    public static void main(String[] main){
        peri_triangle3 pt = new peri_triangle3();
        peri_square3 ps = new peri_square3();

        pt.peri_triangle3();
        pt.perimeter3();

        ps.peri_square3();
        ps.perimeter3();
```

```
        }
    }
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

interface peri_square{
    default void peri_square(){
        System.out.println("Peri_square");
    }
}

interface peri_triangle{
    default void peri_triangle(){
```

```java
        System.out.println("Peri_triangle");
    }
}


class perimeter implements peri_square,
peri_triangle{
    perimeter(){
        System.out.println("perimeter");


        peri_square.super.peri_square();

peri_triangle.super.peri_triangle();
    }
}


public class question9 {
    public static void main(String[]
args){
        perimeter p1 = new perimeter();
    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

//overloading

class area{
    void calarea(int a, int b){
        int c = a*b;


        System.out.println("Area of
rectangle is " + c);
```

```java
    }


    void calarea(int a){
        int c = a*a;

        System.out.println("Area of sqaure
is " + c);
    }
}


public class question10 {
    public static void main(String[]
args){
        area a1 = new area();

        a1.calarea(5);
        a1.calarea(5,6);
    }
}
```

```java
/*
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 */

package revision;

/**
 *
 * @author Shalmon
 */

class calculator{
    void add(){
        int a = 5;
        int b = 6;

        int c = a+b;
```

```java
        System.out.println("addition of
two numbers is "+c);
    }
}


class addition extends calculator{
    void add(){
        int a = 5;
        int b = 6;
        int c = 7;


        int d = a+b+c;


        System.out.println("addition of
three numbers is "+c);
    }
}


public class question11 {
    public static void main(String[]
args){
        calculator a1 = new calculator();
        a1.add();
```

```
        calculator a2 = new addition();
        a2.add();
    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

import java.util.Scanner;


public class question12 {
    public static void main(String[]
args){
        int[] arr = new int[10];
        int sum = 0;
```

```java
        Scanner sc = new
Scanner(System.in);
        System.out.print("Enter 10
numbers: ");

        for(int i = 0; i < 10; i++){
            arr[i] = sc.nextInt();
        }

        for(int i = 0; i < 10; i++){
            sum = sum + arr[i];
        }

        System.out.println("The sum is " +
sum);
    }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

import java.util.Scanner;

public class question13 {
    public static void main(String[]
args){
        int i = 0;
        int mul = 0;
        Scanner sc = new
Scanner(System.in);
```

```java
System.out.print("Which
multiplication table do you want? : ");
int number = sc.nextInt();


for(i = 1; i <= 10; i++){
    mul = number*i;
    System.out.println(number + " x
" + i + " = " + mul);
    }
  }
}
```

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */

import java.util.Scanner;

public class question14 {
    public static void main(String[]
args){
        Scanner sc = new
Scanner(System.in);
        int a,b,c;
```

```java
        System.out.println("Enter length of side 1: ");
        a = sc.nextInt();
        System.out.println("Enter length of side 2: ");
        b = sc.nextInt();
        System.out.println("Enter length of side 3: ");
        c = sc.nextInt();

        if (a == b && b == c){
            System.out.println("It is an equilateral triangle");
        }
        else if (a == b || b == c || a == c){
            System.out.println("It is an isoceles triangle");
        }
        else{
            System.out.println("It is an scalene triangle");
        }
    }
```

}

```java
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 */

package revision;

/**
 *
 * @author Shalmon
 */
import java.util.Scanner;

public class question15 {
    public static void main(String[]
args){
        int[] arr =
{3,4,5,7,3,2,4,5,7,8,9,7,5,4,3,2,1,5,6,7};
        int count = 0;
        Scanner sc = new
Scanner(System.in);
```

```java
        System.out.println("Enter the
number you want repetition of: ");
        int arr_find = sc.nextInt();


        for(int i = 0; i < 20; i++){
            if(arr_find == arr[i]){
                count++;
            }
        }
        System.out.println("the number
occurs " + count + " times");
    }
}
/*
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 */

package revision;
```

```java
/**
 *
 * @author Shalmon
 */


public class question16 {
    public static void main(String[]
args){
        int matrix[][] = { { 1, 2, 3 } , {
4, 5, 6 } , { 7, 8, 9 } };
        int transpose[][] = new int[3][3];

        System.out.println("The matrix is:
");
        for (int i = 0; i < 3; i++){
            for (int j = 0; j < 3; j++){

System.out.print(matrix[i][j]+ " ");
            }
            System.out.println();
        }
```

```java
        System.out.println("The transpose
is: ");
        for (int i = 0; i < 3; i++){
            for (int j = 0; j < 3; j++){

System.out.print(matrix[j][i]+ " ");
            }
            System.out.println();
        }
    }
}
```