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**1)**

public class Q1{

public static void main(String[] args){

for(int i=1;i<=10;i++){

int a =i\*10;

System.out.println("10 x "+i+" ="+a);

}}}

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**2)1.**

public class pyramid {

public static void main(String[] args) {

int rows = 5;

for (int i = 1; i <= rows; ++i) {

for (int j = 1; j <= i; ++j) {

System.out.print(j + " ");

}

System.out.println();

}

}

}

**2)2.**

public class pyramid {

public static void main(String[] args) {

for(int i=1;i<=5;i++){

for(int k=4;k>=i;k--){

System.out.print(" ");

}

for(int j=1;j<=i;j++){

System.out.print("\* ");

}

System.out.println();

}

}

}

**2)3.**

public class pyramid {

public static void main(String[] args) {

int rows = 5, number = 1;

for(int i = 1; i <= rows; i++) {

for(int j = 1; j <= i; j++) {

System.out.print(number + " ");

++number;

}

System.out.println();

}

}

}

**2)4.**

public class pyramid {

public static void main(String[] args) {

for(int i=1;i<=5;i++){

for(int k=4;k>=i;k--){

System.out.print(" ");

}

for(int j=1;j<=i;j++){

System.out.print(" \*");

}

System.out.println();

}

}

}

**2)5.**

public class pyramid {

public static void main(String[] args) {

for(int i=1;i<6;i++){

for(int k=1;k<i;k++){

System.out.print(" ");

}

for(int j=1;j<=6-i;j++){

System.out.print("\*"+" ");

}

System.out.println();

}

}

**2)6.**

public class pyramid

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter the number of rows: ");

int rows = sc.nextInt();

for (int i= 0; i<= rows-1 ; i++)

{

for (int j=0; j<=i; j++) { System.out.print("\*"+ " "); }

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**3)**

public class Q3{

public static void main(String[] args){

Employee E1= new Employee();

E1.getInfo();

}}

class Employee{

private int YearOfjoining;

private int Salary;

private String address;

void getInfo(){

System.out.println("Name YearOfJoining Address");

System.out.println("Robert 1994 64c-WallsShreat");

System.out.println("sam 2000 68D-WallsStreat");

System.out.println("john 1999 26B-WallsStreat");

}}

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**4)**

public class Q4{

public static void main(String[] args){

q4 q1= new q4();

q4 q2= new q4(2,3);

q4 q3= new q4(2,3,4);

}}

class q4{

void q4(){

System.out.println("plss give number");

}

void q4(int a,int b){

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

}

void q4(int a,int b,int c){

System.out.println("a+b+c");

}}

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**5)**

import java.util.Scanner;

public class Q5 {

public static void main(String[] args) {

ADMISSION A1= new ADMISSION();

A1.ReadDate();

A1.Display();

A1.DrawNos();

}

}

class ADMISSION{

private int[] AD\_NO ;

private String[] name;

private String[] Class;

private float[] fees;

void ReadDate(){

Scanner sc= new Scanner(System.in);

System.out.print("how many number of students details you want to add:");

int number= sc.nextInt();

AD\_NO=new int[number];

name=new String[number];

Class= new String[number];

fees= new float[number];

for (int i = 0; i < number; i++) {

System.out.println("Enter the admission number of student "+(i+1));

AD\_NO[i]=sc.nextInt();

System.out.println("Enter the name of the student ");

name[i]=sc.next();

System.out.println("Enter the class of the students");

Class[i]=sc.next();

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

fees[i]= sc.nextFloat();

System.out.println();

}

}

void Display(){

System.out.println("Display....");

System.out.println();

for (int i = 0; i <AD\_NO.length ; i++) {

System.out.println("name: "+name[i]);

System.out.println("Admission of student is:"+AD\_NO[i]);

System.out.println("Class of student is:"+Class[i]);

System.out.println("fees of student is:"+fees[i]+"/-");

System.out.println();

}

}

void DrawNos(){

System.out.println("The random picks are:");

for (int i = 0; i <=1; i++) {

int rnd= new Random().nextInt(AD\_NO.length);

System.out.println("name: "+name[rnd]);

System.out.println("Admission of student is:"+AD\_NO[rnd]);

System.out.println("Class of student is:"+Class[rnd]);

System.out.println("fees of student is:"+fees[rnd]+"/-");

System.out.println();

}

}

}

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**6)**

class Q6{

public static void main(String[] args){

Parent p1= new Parent();

p1.getMessage();

Child c1= new Child();

c1.getMessage();

Parent pc= new Child();

p1.getMessage();

}

}

class Parent{

void getMessage(){

System.out.println("This is a Parent class");

}

}

class Child extends Parent{

Child(){

super();}

void getMessage(){

System.out.println("This is a child class");

}

}

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**7)**

class Q6{

public static void main(String[] args){

Parent p1= new Parent();

p1.getMessage();

Child c1= new Child();

c1.getMessage();

Parent pc= new Child();

p1.getMessage();

}

}

class Parent{

void getMessage(){

System.out.println("This is a Parent class");

}

}

class Child extends Parent{

Child(){

super();}

void getMessage(){

System.out.println("This is a child class");

}

}

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