

PROGRAM-1

Write a program to swap two numbers

import java.util.\*;

class Demo

{

public static void main (String args [ ] )

{

Scanner sc = new Scanner (System.in);

System.out.println ("Enter Value of A");

int a = sc.nextInt();

System.out.println ("Enter Value of B");

int b = sc.nextInt();

int temp = a;

a = b;

b = temp;

System.out.println ("Value of A = "+ a + " and B = "+ b " after Swapping");

}

}

PROGRAM - 2

Write a program to swap two numbers without using third variable

import java.util.\*;

class Demo

s

public static void main (String args [] )

s

Scanner sc = new Scanner (System.in);

System.out.println ("Enter Value of A:");

int a = sc.nextInt();

System.out.println ("Enter Value of B:");

int b = sc.nextInt();

a = a+b;

b = a-b;

a = a-b;

System.out.println ("Value of A= "+a+" and B= "+b+" after Swapping");

?

1

## PROGRAM-3

Write a program to check whether given year is leap year or not

import java.util.\*;

Class Demo

{

public static void main (String args[])

{

Scanner sc = new Scanner (System.in);

System.out.println ("Enter year to check");

int year = sc.nextInt();

if (year % 4 == 0)

{

if (year % 100 == 0)

{

if (year % 400 == 0)

{

System.out.println ("Leap Year");

}

else

{

System.out.println ("Not Leap Year");

}

}

else

{

System.out.println ("Leap Year");

}

}

else

{

System.out.println("Non Leap Year");

}

}

PROGRAM-4

Write a program to count number of leap year b/w two years

```
import java.util.*;
```

```
class Demo
```

```
{
```

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

```
{
```

```
Scanner sc = new Scanner (System.in);
```

```
System.out.println ("Enter the year from where you want to find");
```

```
int y1 = sc.nextInt();
```

```
System.out.println ("Enter the year till you want to find");
```

```
int y2 = sc.nextInt();
```

```
int count = 0;
```

```
if (y1 < y2)
```

```
for (int i = y1; i < y2; i++)
```

```
if (i % 4 == 0)
```

```
if (i % 100 == 0)
```

```
if (i % 400 == 0)
```

```
count++;
```

```
}
```

```
else
```

```
count = count;
```

```
}
```

{

else

{

count++;

{

{

else

{

count = count;

{

System.out.println ("Number of leap year are: " + count);

{

else

{

System.out.println ("Enter in Correct Order");

System.out.println ("Year 1 is greater than year 2");

{

{

{

## PROGRAM-5

Write a program to find the day of given date

```
import java.util.*;
class dayOnDate
{
    static int monthCodeCalc (int m)
    {
        int monthCode [] = {0,3,3,6,1,4,6,0,5,0,3,5};
        int smonthCode = monthCode [m-1];
        return smonthCode;
    }

    public static void main (String args [])
    {
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter Date : ");
        int dd = sc.nextInt();
        System.out.println ("Enter Month : ");
        int mm = sc.nextInt();
        System.out.println ("Enter Year : ");
        int yy = sc.nextInt();
        System.out.println (dd + "-" + mm + "-" + yy);

        int yearCode = 0;
        int leapCount = 0;
        int scenturyCode = 0;
        int fdayCode = 0;
```

```
int centuryCode [] = {0, 4, 9, 0, 6};  
if (yy <= 1699 || yy >= 1600)  
    {  
        $centuryCode = centuryCode [0];  
        yearCode = yy - 1600;  
    }  
else if (yy <= 1799 || yy >= 1700)  
    {  
        $centuryCode = centuryCode [1];  
        yearCode = yy - 1700;  
    }  
else if (yy <= 1899 || yy >= 1800)  
    {  
        $centuryCode = centuryCode [2];  
        yearCode = yy - 1800;  
    }  
else if (yy <= 1999 || yy >= 1900)  
    {  
        $centuryCode = centuryCode [3];  
        yearCode = yy - 1900;  
    }  
else if (yy <= 2099 || yy >= 2000)  
    {  
        $centuryCode = centuryCode [4];  
        yearCode = yy - 2000;  
    }  
$monthCode = monthCodeCalc (mm);
```

leapCount = (int) yearCode / 4;  
int result = (dd + \$monthCode + yearCode + leapCount + \$centuryCode) % 7;  
switch (result)  
{

case 0: System.out.println ("Sunday");  
    break;

case 1: System.out.println ("Monday");  
    break;

case 2: System.out.println ("Tuesday");  
    break;

case 3: System.out.println ("Wednesday");  
    break;

case 4: System.out.println ("Thursday");  
    break;

case 5: System.out.println ("Friday");  
    break;

case 6: System.out.println ("Saturday");  
    break;

default: System.out.println ("Exit");  
    break;

{

}

}

PROGRAM - 6

Write a program to print diamond pattern

```
import java.util.*;
class Diamond
{
    public static void main (String args[])
    {

```

```
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter Number of lines:");
        int l = sc.nextInt();

```

```
        for (int i=1; i<=l; i++)
        {

```

```
            for (int j=l; j>i; j--)
            {

```

```
                System.out.print (" ");
            }

```

```
            for (int s=1; s<=i; s++)
            {

```

```
                System.out.print ("*");
            }

```

```
            for (int k=2; k<=i; k++)
            {

```

```
                System.out.println ("*");
            }

```

```
            System.out.println ();
        }
    }
}
```

```
for (int i = 1; i < l - 1; i++)
```

```
    for (int b = 1; b <= i; b++)
```

```
        System.out.print(" ");
```

{

```
    for (int s = l - 1; s >= i; s--)
```

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

```
    for (int k = l - 1; k > i; k--)
```

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

```
    System.out.println();
```

{

}

?

## PROGRAM - 7

Write a program to print Hollow Diamond

import java.util.\*;

class Hollow

{

    public static void main (String args[])

{

        Scanner sc = new Scanner (System.in);

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

        int l = sc.nextInt();

        for (int i=1; i<=(l\*2-1); i++)

{

            System.out.print ("\*");

,

            System.out.println ();

            for (int j=1; j<i; j++)

{

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

{

                    System.out.print (" ");

,

                for (int s=1; s<=i; s++)

{

                    System.out.print (" ");

,

                for (int k=2; k<=i; k++)

{

                    System.out.print (" ");

,

for (int m = l; m > i; m--)

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

System.out.println();

for (int i = 1; i <= l - 1; i++)

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

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

for (int s = l - 1; s >= i; s--)

{ System.out.print (" "); }

for (int k = l - 1; k > i; k--)

{ System.out.print (" "); }

for (int m = 1; m <= i; m++)

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

System.out.println();

for (int i = 1; i <= (l \* 2 - 1); i++)

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

? ?

### PROGRAM - 8

Write a program to print a pascal triangle.

```
import java.util.*;
```

## class Pascal

۱۵

public int factorial (int i)

200

~~if (i == 0)~~

~~return 1;~~

9

~~return i \* factorial(i-1);~~

3

public static void main (String args [ ]) {

1

```
Scanner sc = new Scanner(System.in);
```

System.out.println("Enter number of line");

`int n = sc.nextInt();`

```
Pascal g= new Pascal();  
for (int i=0; i<n; i++)  
    s
```

for ( $j=0; j < n-i; j++$ )  
     $s$

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

~~for (j=0; j < i; j++)~~

```
System.out.print (" "+g.factorial(i)/(g.factorial(i-j)*
```

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3 System.out.println();

?

?

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PROGRAM - 9

Write a program to search an element in an array using Binary Search

```
import java.util.*;
```

```
class Binary
```

```
{
```

```
int arr[];
```

```
int size;
```

```
void create (int s)
```

```
{
```

```
size = s;
```

```
arr = new int [s];
```

```
?
```

```
void insert ()
```

```
{
```

```
Scanner sc = new Scanner (System.in);
```

```
System.out.println ("Enter Values in the Array: ");
```

```
for (int i=0; i<size; i++)
```

```
{
```

```
arr[i] = sc.nextInt();
```

```
?
```

```
void search (int elem)
```

```
{
```

```
int first = 0;
```

```
int last = size - 1;
```

```
int mid = (first + last) / 2;
```

while (first <= last)

{

if (arr[mid] < elem)

{

first = mid + 1;

{

else if (arr[mid] == elem)

{

System.out.println ("Number found at " + mid + " index");

break;

{

else

{

last = mid - 1;

{

mid = (first + last) / 2;

{

if (first > last) if (first > last)

{

System.out.println ("Number Not Found");

{

public static void main (String args [])

Binary ob = new Binary ();

System.out.println ("Enter the Size of Array");

Scanner sc = new Scanner (System.in);

int elem = sc.nextInt();

ob.search (elem);

PROGRAM-10

Write a java program to search an element in an array using linear Search

import java.util.\*;

class Array

{

int arr[];

int size;

void create(int s)

{

size = s;

arr = new int[s];

}

void insert()

{

Scanner sc = new Scanner(System.in);

System.out.println("Enter Values in the Array:");

for (int i = 0; i < size; i++)

{

arr[i] = sc.nextInt();

}

}

void search(int elem)

{

int count = 0;

for (int i = 0; i < size; i++)

{

if (arr[i] == elem)

{

count++;

System.out.println ("Number found at " + i + " Index");  
break;

{

}

if (count == 0)

{

System.out.println ("Number Not found");

}

public static void main (String args[])

{

Linear ob = new Linear();

System.out.println ("Enter Size of Array");  
int s;

Scanner sc = new Scanner (System.in);

s = sc.nextInt();

ob.create(s);

ob.insert();

System.out.println ("Enter Number to be found:");

int elem = sc.nextInt();

ob.search(elem);

{

1

PROGRAM-II

Write a program to insert an element at a particular position in an array

```
import java.util.*;
class Insertion
{
    int arr[];
    int size;
    void create(int s)
    {
        size = s;
        arr = new int [s+10];
    }
}
```

```
size = s;
arr = new int [s+10];
}
void insert()
```

```
Scanner sc = new Scanner (System.in);
System.out.println ("Enter Values in the Array:");
for (int i=0; i<size; i++)
{
    arr[i] = sc.nextInt();
}
```

```
void Insert (int val, int pos)
{
    for (int i= size; i>pos-1; i--)
    {
        arr[i] = arr[i-1];
    }
}
```

```

array[pos-1] = val
size++;
}

void print()
{
    for(int i=0; i<size; i++)
        System.out.println(array[i] + " ");
}

```

```

public static void main (String args[])
{
    Insertion ob = new Insertion();
    Scanner sc = new Scanner (System.in);
    System.out.println ("Enter the size of an array");
    int s = sc.nextInt();
    ob.create(s);
    ob.insert();
    System.out.println ("Enter Value want to insert");
    int val = sc.nextInt();
    System.out.println ("Enter position where you want to insert");
    int pos = sc.nextInt();
    ob.insert (val, pos);
    System.out.println ("Array After Insertion");
    ob.print();
}

```

PROGRAM-12

Write a program to delete an element at a particular position from an array.

```
import java.util.*;
class Deletion
{
    int arr[];
    int size;
    void create(int s)
    {
        size = s;
        arr = new int[s];
    }
}
```

```
size = 8;
arr = new int[8];
```

```
void insert()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter Values in the Array:");
    for (int i=0; i<size; i++)
    {
        arr[i] = sc.nextInt();
    }
}
```

```
void delete (int po)
{
    int val = arr[po-1];
    for (int i=po; i<size; i++)
    {
        arr[i] = arr[i+1];
    }
}
```

arr[i-1] = arr[i];

{

System.out.println("val + " deleted from the Array");

size--;

{

void print

{

for (int i=0; i<size; i++)

{

System.out.print(arr[i] + " ");

{

public static void main (String args[])

{

Scanner sc = new Scanner (System.in);

System.out.println("Enter Size of the Array");

int s = sc.nextInt();

Deletion ob = new Deletion();

ob.create();

ob.insert();

System.out.println("Enter the position at which you want to  
delete : ");

int pos = sc.nextInt();

ob.delete(pos);

ob.print();

{

{

### PROGRAM-13

Write a program to sort an array using Bubble Sort

```
import java.util.*;
```

```
class Bubble
```

```
{
```

```
    int arr[];
```

```
    int size;
```

```
    void create(int s);
```

```
{
```

```
    size = s;
```

```
    arr = new int[s];
```

```
{
```

```
    void insert()
```

```
{
```

```
    Scanner sc = new Scanner (System.out);
```

```
    System.out.println("Enter values in the array");
```

```
    for(int i=0; i<size; i++)
```

```
{
```

```
        arr[i] = sc.nextInt();
```

```
}
```

```
    void print()
```

```
{
```

```
    for(int i=0; i<size; i++)
```

```
{
```

```
        System.out.print(arr[i] + " ");
```

```
}
```

```
}
```

```
void sort()
```

{

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

{

```
for (int j=i+1; j<arr.length; j++)
```

{

```
if (arr[i] > arr[j])
```

{

```
int temp = arr[i];
```

```
arr[i] = arr[j];
```

```
arr[j] = temp;
```

{

{

{

{

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

{

```
Scanner sc = new Scanner (System.in);
```

```
System.out.println ("Enter the Size of Array");
```

```
int size = sc.nextInt();
```

```
Bubble ob = new Bubble ();
```

```
ob.create (size);
```

```
ob.insert ();
```

```
ob.sort ();
```

```
System.out.println ("Array After Sorting");
```

```
ob.print ();
```

{

{

PROGRAM 14

Write a program to sort an array using Selection Sort

```
import java.util.*;
```

```
class Selection
```

```
{
```

```
    int arr[];
```

```
    int size;
```

```
    void create (int s)
```

```
{
```

```
    size = s;
```

```
    arr = new int [s];
```

```
}
```

```
    void insert ()
```

```
{
```

```
    Scanner sc = new Scanner (System.in);
```

```
    System.out.println ("Enter Values in the array :");
```

```
    for (int i=0; i<size; i++)
```

```
{
```

```
        arr[i] = sc.nextInt();
```

```
}
```

```
}
```

```
    void print ()
```

```
{
```

```
    for (int i=0; i<size; i++)
```

```
{
```

```
        System.out.print (arr[i] + " ");
```

```
}
```

```
void sort()
{
```

```
    int small;
    for (int i = 0; i < size - 1; i++)
    {
```

```
        small = i;
```

```
        for (j = i + 1; j < size; j++)
        {
```

```
            if (arr[j] < arr[small])
            {
```

```
                small = j;
```

```
}
```

```
    int temp = arr[small];
    arr[small] = arr[i];
    arr[i] = temp;
```

```
}
```

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

```
    Scanner sc = new Scanner (System.in);
```

```
    System.out.println ("Enter Size of array");
```

```
    int s = sc.nextInt();
```

```
    Selection ob = new Selection ();
```

```
    ob.create (s);
```

```
    ob.insert ();
```

```
    ob.sort (); System.out.println ("Array After Sorting ");
```

```
    ob.print ();
```

```
}
```

```
}
```

PROGRAM-15

Write a program to add two matrix

```
import java.util.*;
```

```
class Add
```

```
{
```

```
    int row;
```

```
    int col;
```

```
    static int arr1[][];
```

```
    static int arr11[][];
```

```
    static int arr2[][];
```

```
    void create (int r, int c)
```

```
{
```

```
    row = r;
```

```
    col = c;
```

```
    arr1 = new int [r][c];
```

```
    arr11 = new int [r][c];
```

```
    arr2 = new int [r][c];
```

```
}
```

```
void insert (int arr1[][])
```

```
{
```

```
    System.out.println("Enter values in the Array:");
```

```
    Scanner sc = new Scanner (System.in);
```

```
    for (int i=0; i<row; i++)
```

```
{
```

```
        for (int j=0; j<col; j++)
```

```
{
```

```
            arr1[i][j] = sc.nextInt();
```

```
}
```

```
}
```

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void print (int arr[ ][ ])

{

for (int i=0; i<row; i++)

{

for (int j=0; j<col; j++)

{

System.out.print (arr[i][j] + " ");

{

System.out.println();

{

void add (int arr[ ][ ], int arr1[ ][ ], int arr2[ ][ ])

{

for (int i=0; i<row; i++)

{

for (int j=0; j<col; j++)

{

arr[i][j] = arr1[i][j] + arr2[i][j];

{

{

public static void main (String args [ ])

{

Scanner sc = new Scanner (System.in);

System.out.println ("Enter Size of Column");

int c = sc.nextInt();

System.out.println ("Enter Size of Rows");

int r = sc.nextInt();

Add ob = new Add();  
ob.create(x,c);  
ob.insert(arv);  
ob.insert(arv1);  
ob.add(arv2, arv, arv1);  
ob.print(arv2);

?

?

PROGRAM - 16

Write a program to Subtract two Matrix

```
import java.util.*;
class Sub
{
    int row;
    int col;
    static int arr1[][];
    static int arr2[][];
    static int arr3[][];
    void create (int r, int c)
    {
        row = r;
        col = c;
        arr1 = new int [r][c];
        arr2 = new int [r][c];
        arr3 = new int [r][c];
    }
}
```

```
void inser (int arr3[])
{
    System.out.println("Enter Value in the array");
    for (int i=0; i<row; i++)
    {
        for (int j=0; j<col; j++)
            arr3[i][j] = sc.nextInt();
    }
}
```

```
for (int i=0; i<row; i++)
{
    for (int j=0; j<col; j++)
        arr3[i][j] = arr1[i][j] - arr2[i][j];
}
```

```
arr3[i][j] = sc.nextInt();
```

```

void print (int ar[][])
{
    for (int i = 0; i < row; i++)
        {
            for (int j = 0; j < col; j++)
                System.out.print (ar[i][j] + " ");
            System.out.println ();
        }
}

```

```

void del (int ar1[][], int ar2[][], int ar3[][])
{
    for (int i = 0; i < row; i++)
        {
            for (int j = 0; j < col; j++)
                ar3[i][j] = ar1[i][j] - ar2[i][j];
        }
}

```

```

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

```

```

Scanner sc = new Scanner (System.in);
System.out.println ("Enter Size of Row");
int r = sc.nextInt();
System.out.println ("Enter Size of Column");
int c = sc.nextInt();

```

```
Sub ob = newSub();
ob.create (x,c);
ob.insert (arr);
ob.insert (arr1);
ob.del (arr2, arr, arr1);
ob.print (arr2);
```

3

PROGRAM - 17

Write a program to Multiply two Matrix

```
import java.util.*;
```

```
class Mul
```

```
{
```

```
    int row;
```

```
    int col;
```

```
    static int arr1[][];
```

```
    static int arr2[][];
```

```
    void create (int r, int c)
```

```
{
```

```
    row = r;
```

```
    col = c;
```

```
    arr1 = new int[r][c];
```

```
    arr2 = new int[r][c];
```

```
    arr2 = new int[r][c];
```

```
}
```

```
void insert (int arr[][])
```

```
{
```

```
    System.out.println("Enter Values in the Array");
```

```
    Scanner sc = new Scanner(System.in);
```

```
    for (int i=0; i<row; i++)
```

```
{
```

```
    for (int j=0; j<col; j++)
```

```
{
```

```
        arr[i][j] = sc.nextInt();
```

```
}
```

```
}
```

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void print (int arr[ ][ ] )

for (int i=0; i<row; i++)

for (int j=0; j<col; j++)

System.out.print (arr[i][j] + " ");

System.out.println();

void mul (int arr1[ ][ ], int arr2[ ][ ], int arr3[ ][ ])

for (int i=0; i<row; i++)

for (int j=0; j<col; j++)

arr3[i][j] = 0;

for (int k=0; k<row; k++)

arr3[i][j] += arr1[i][k] \* arr2[k][j];

}

?

?

public static void main (String args [ ] )

Scanner sc = new Scanner (System.in);

System.out.println("Enter size of row:");  
int r = sc.nextInt();

System.out.println("Enter size of col:");  
int c = sc.nextInt();

Mul ob = new Mul();

ob.create(r,c);

ob.insert(ar1);

ob.insert(ar2);

ob.mul(ar2, ar1, ar1);

ob.print(ar2);

}

?

PROGRAM - 18

Write a program to transpose a matrix

`import java.util.*;`

`class Trans`

{

`int row;`

`int col;`

`static int arr[][];`

`static int arr1[][];`

`void create (int r, int c)`

{

`row = r;`

`col = c;`

`arr = new int [r][c];`

`arr1 = new int [c][r];`

}

`void insert (int arr[][])`

{ `Scanner sc = new Scanner (System.in);`

`System.out.println ("Enter Values in the Array:");`

`for (int i=0; i<row; i++)`

{

`for (int j=0; j<col; j++)`

{

`arr[i][j] = sc.nextInt();`

}

}

}

```
void print (int arr[ ][ ])
```

```
for (int i = 0; i < rows; i++)
```

```
    for (int j = 0; j < cols; j++)
```

```
        System.out.print (arr[i][j] + " ");
```

```
    System.out.println();
```

{

```
void transpose (int arr[ ][ ], int arr1[ ][ ])
```

{

```
for (int i = 0; i < rows; i++)
```

```
    for (int j = 0; j < cols; j++)
```

```
        arr1[i][j] = arr[j][i];
```

{

{

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

```
Scanner sc = new Scanner (System.in);
```

```
System.out.println ("Enter Size of Rows:");
```

```
int r = sc.nextInt();
```

```
System.out.println ("Enter Size of Column:");
```

```
int c = sc.nextInt();
```

```
Trans ob = new Trans();
ob.create(2,2);
ob.insert(1,1);
ob.insert(2,1);
ob.transpose(avl, avr);
System.out.println("Transpose of a Matrix avl:");
ob.print(avl);
}
```

PROGRAM - 19

Write a program to create a magic square

import java.util.\*;

class MagicSquare

{

public static void main (String args[])

{

Scanner sc = new Scanner (System.in);

System.out.println ("Enter the Odd Size of the Square:");

int size = sc.nextInt();

int arr[][] = new int [size][size];

if (size%2 == 0)

{

System.out.println ("The Size of an Array is to be odd Number.");

}

else

{

int m = 1;

int i=0, j=size/2;

arr[i][j] = m++;

while (m <= size \* size)

{

if (i == 0)

i = size - 1;

{

else

{

i - i;

{

if (i == size - 1)  
s

i = 0;

{

else

s

i++;

{

if (c[i] < c[j] == 0)  
s

c[i] < c[j] = n++;

{

else

s

if (i == 0)  
s

i = size - 1;

{

else

s

j - i;

{

if (i == size - 1)  
s

i = 0;

{

else

{

i++;

{

if (i == size - 1)

{

{

else

{

i++;

{

arr[i][j] = n++

{

{

for (i = 0; i &lt; size; i++)

{

for (j = 0; j &lt; size; j++)

{

System.out.print(arr[i][j] + " ");

{

System.out.println();

{

{

{

PROGRAM-20

Write a program to traverse an array in zigzag form

import java.util.\*;

class Snake

{

int arr[ ][ ];

int size;

void insert (int l)

{

int num = 1;

size = l;

arr = new int[l][l];

for (int i = 0; i < l; i++)

{

if (i % 2 == 0)

{

for (int j = 0; j >= 0; j--)

{

for (int j = 0; j <= i; j++)

{

arr[i][j] = num;

j++;

num++;

}

}

}

else

{

for ( int i = 0; i <= n; i++ )

for ( int j = n; j >= 0; j-- )

arr[i][j] = num;

i++;

num++;

}

}

}

3

for ( int k = 0; k <= l - 1; k++ )

if ( arr[k][l] == 0 )

for ( int i = k; i <= l - 1; i++ )

for ( int j = l - i; j >= k; j-- )

arr[i][j] = num;

i++;

num++;

}

}

3

else

\$

```
for (int i = l - 1; i >= r1; i--)
```

```
    for (int j = r1; j <= l - 1; j++)
```

```
        arr[i][j] = num;
```

```
        i--;
```

```
        num++;
```

```
}
```

```
3
```

```
{
```

```
3
```

```
void print()
```

```
{
```

```
    for (int i = 0; i < size; i++)
```

```
        for (int j = 0; j < size; j++)
```

```
            System.out.print (arr[i][j] + " ");
```

```
3
```

```
        System.out.println();
```

```
3
```

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

```
{
```

```
    Scanner sc = new Scanner (System.in);
```

```
    System.out.println ("Enter the size of an array: ");
```

```
    int s = sc.nextInt();
```

if (s1 == 0)

    ob = new Snake();  
    ob.insert(s);  
    ob.print();

{

else

\$

    System.out.println("Even Size of Array Not Allowed");

{

{