import java.util.\*;

arr

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 |
| 5 | 2 | 1 | 8 | 9 |

public class Main {

2000

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

Scanner sc=new Scanner(System.in);

no

Heap

stack

int[] arr= {5,2,1,8,9};

int no=8;

boolean b=searchdata(arr, no);

if(b==true)

S.o.pln(“Found”);

else

S.o.pln(“Not …..Found”);

**}**

public static boolean searchdata(int[] arr,int no)

arr

**{**

int i,

2000

for(i=0;i<arr.length;i++)

{ if(arr[i]==no)

{ return true;

no

}

20

}

return false;

}

**}**

import java.util.\*;

arr

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 |
| 5 | 2 | 1 | 8 | 9 |

public class Main {

2000

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

Scanner sc=new Scanner(System.in);

no

Heap

stack

int[] arr= {5,2,1,8,9};

int no=8;

int b=searchdata(arr, no);

if(b>=0)

S.o.pln(“Found”+b);

else

S.o.pln(“Not …..Found”);

**}**

public static int searchdata(int[] arr,int no)

arr

**{**

int i,

2000

for(i=0;i<arr.length;i++)

{ if(arr[i]==no)

{ return i;

no

}

20

}

return -1;

}

**}**

Bubble Sort

for(i=0;i<len-1;i++){

for(j=0; j < len-1-i ;j++){

if(arr[j]>arr[j+1])

{ t=arr[j];

arr[j]=arr[j+1];

arr[j+1]=t;

}

}

Highest element set at the end

5 8 6 9 1

I=0

5 8 6 9 1

5 6 8 9 1

5 6 8 9 1

5 6 8 1 9

5 6 8 1 9

I=1

5 6 8 1 9

5 6 8 1 9

5 6 1 8 9

5 6 1 8 9

I=2

5 6 1 8 9

5 1 6 8 9

5 1 6 8 9

I=3

1 5 6 8 9

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 9 | 7 | 6 | 5 | 3 | 1 |
| 7 | 9 | 6 | 5 | 3 | 1 |
| 7 | 6 | 9 | 5 | 3 | 1 |
| 7 | 6 | 5 | 9 | 3 | 1 |
| 7 | 6 | 5 | 3 | 9 | 1 |
| 7 | 6 | 5 | 3 | 1 | 9 |
|  |  |  |  |  |  |
| 6 | 7 | 5 | 3 | 1 | 9 |
| 6 | 5 | 7 | 3 | 1 | 9 |
| 6 | 5 | 3 | 7 | 1 | 9 |
| 6 | 5 | 3 | 1 | 7 | 9 |
|  |  |  |  |  |  |
| 5 | 6 | 3 | 1 | 7 | 9 |
| 5 | 3 | 6 | 1 | 7 | 9 |
| 5 | 3 | 1 | 6 | 7 | 9 |