**import** **static** java.lang.System.***out***;

**import** java.util.\*;

**public** **class** Myclass {

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

**int** i,j;

Scanner sc=**new** Scanner(System.***in***);//this class has nextInt method

***out***.print("Enter numer of row and colomn you want");

|  |  |  |
| --- | --- | --- |
| 0 | 1 | 2 |

**int** r=sc.nextInt();//3//take input (as int)

**int** c=sc.nextInt();//3// take input (as int)

|  |  |  |
| --- | --- | --- |
| **1** | **2** | **3** |
| **4** | **5** | **6** |
| **7** | **8** | **9** |

Heap

|  |  |
| --- | --- |
| 0 |  |
| 1 |  |
| 2 |  |

**int**[][] arr=**new** **int**[r][c];//3\*3

arr

**for**(i=0;i<r;i++)

{

2000

**for**(j=0;j<c;j++)

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

}

I🡺0 0 0//01 //02 i🡺1 10 //11/12 //i🡺2 20// 21 //22

**for**(i=0;i<r;i++)

{

00 01 02

10 11

20

**for**(j=0;j<c;j++)

***out***.prin***t***(arr[i][j]);

***out***.println();

}

for(i=0;i<3;i++){

for(j=0;j<n;j++){

if(i+j<=2)

out.print(arr[i][j]

}

out.print("\n");

}

n=3

for(i=0;i<3;i++){

for(j=0;j<n;j++)3 2 1

out.print(arr[i][j]);

n--;

out.print("\n");

}

for(i=0;i<3;i++)

<3-0=3 k=3

<3-1=2 k--

<3-2=1

{

for(j=0;j<3-i;j++)

out.print(arr[i][j]);

out.print("\n");

}

}

}

for(i=0;i<3;i++){ 2

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

o.p(arr[i][j]); 00//10 11// 20 21 22

o.pln();

}

}

for(i=0;i<3;i++){

for(j=0;j<=n;j++)

if(i-j>=0)

00

10 11

20 21 22

123

56

9

00 01 02

11 12

22

3

56

789

02

11 12

20 21 22

3

5

7

02

11

20

1

5

9

00

11

22

|  |  |  |
| --- | --- | --- |
| **1** | **2** | **3** |
| **4** | **5** | **6** |
| **7** | **8** | **9** |

Heap