

```
/*
```

Topic :Arrays

Question 8 :Write java program use variable length multidimensional arrays to generate following output:

1

22

333

4444

55555

666666

7777777

```
*/
```

```
package arrays;
```

```
public class Jagged_array
```

```
{int arr[][]=new int[7][];
```

```
//two dimension array declare
```

```
void display()
```

```
{
```

```
arr[0]=new int[1];
```

```
arr[1]=new int[2];
```

```
arr[2]=new int[3];
```

```
arr[3]=new int[4];
```

```
arr[4]=new int[5];
```

```
arr[5]=new int[6];
```

```
arr[6]=new int[7];
```

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

```
{
```

```
for(int j=0;j<arr[i].length;j++)
```

```
{
```

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

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

```
}
```

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

```
}
```

```
}
```

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


```
{
```

```
Jagged_array j=new Jagged_array();
```

```
j.display();
```

```
}  
}
```

OUTPUT

```
Console   
<terminated> J  
1  
22  
333  
4444  
55555  
666666  
7777777
```