

Print Pattern In Java

#Write Java Program to print the following patterns.

i) * * * *
 * * * *
 * * * *
 * * * *

Solution :

```
import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.print("* ");
            }
            System.out.print("\n");
        }
    }
}
```

ii) @ * * *
 * @ * *
 * * @ *
 * * * @

Solution :

```
import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
```

```

        if(i==j)
            System.out.print("@ ");
        else
            System.out.print("* ");
    }
    System.out.print("\n");
}
}
}

```

iii) 1 2 3 4
 1 2 3 4
 1 2 3 4
 1 2 3 4

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.print((j+1)+" ");
            }
            System.out.print("\n");
        }
    }
}

```

```

import java.util.Scanner;

public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){

```

```

        for(j=0;j<row;j++){
            System.out.print((j+1)+" ");
        }
        System.out.print("\n");
    }
}

```

iv) 1 2 3 4
 5 6 7 8
 9 10 11 12
 13 14 15 16

Solution:

```

import java.util.Scanner;

public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=1;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.printf("%2d ",k);
                k++;
            }
            System.out.print("\n");
        }
    }
}

```

V) A B C D

A B C D

A B C D

A B C D

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.printf("%c ",j+65);
            }
            System.out.print("\n");
        }
    }
}

```

vi) A B C D
 E F G H
 I J K L
 M N O P

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        char k='A';
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.printf("%c ",k);
                k++;
            }
            System.out.print("\n");
        }
    }
}

```

vii) **A B C D**
B C D E
C D E F
D E F G

Solution:

```
import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        char k='A';
        for(i=0;i<row;i++){
            for(j=0;j<row;j++){
                System.out.printf("%c ",k);
                k++;
            }k-=3;
            System.out.print("\n");
        }
    }
}
```

viii) **1 2 3 4**
5 6
7 8
9 10 11 12

Solution:

```
import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=1;
        for(i=0;i<row;i++){
            for(j=0;j<row;j++) {
                if(i==0 || j==0 || i==row-1 || j==row-1) {
                    System.out.printf("%2d ", k);
                }
            }
        }
    }
}
```

```

        k++;
    }
    else
        System.out.print(" ");
    }
    System.out.print("\n");
}
}
}

```

ix) *

```

**
***
****

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=0;i<row;i++){
            for(j=0;j<i+1;j++) {
                System.out.print("* ");
            }
            System.out.print("\n");
        }
    }
}

```

x) ****

```

***
**
*

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
    }
}

```

```

int row=s.nextInt();
int i,j,k=row;
for(i=0;i<row;i++){
    for(j=0;j<k;j++) {
        System.out.print("* ");
    }k--;
    System.out.print("\n");
}
}
}

```

xi)

```

*
**
***
****

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=1,space=row-1,l;
        for(i=0;i<row;i++){
            for(l=1;l<=space;l++){
                System.out.print(" ");
            }
            for(j=1;j<=k;j++){
                System.out.print("* ");
            }
            space--;
            k++;
            System.out.print("\n");
        }
    }
}

```

xii)

```

****
***
**
*

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=row,space=0,l;
        for(i=0;i<row;i++){
            for(l=1;l<=space;l++){
                System.out.print("  ");
            }
            for(j=1;j<=k;j++){
                System.out.print("* ");
            }
            space++;
            k--;
            System.out.print("\n");
        }
    }
}

```

xiii)

```

*      *
 *    *
  *
 *  *
*      *

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=0,l=row-1,m=0;
        for(i=0;i<row;i++){

```



```

        for(j=0;j<row;j++){
            if(k==l || k==m)
                System.out.print("* ");
            else
                System.out.print("  ");
            k++;
        }k=0;
        m++;
        l=row-1-m;
        System.out.print("\n");
    }
}

```

xiv)

```

      *
    ***
  *****
*****

```

Solution:

```

import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j,k=1,space,l=row-1;
        for(i=1;i<=row;i++){
            for(space=1;space<=l;space++){
                System.out.print("  ");
            }
            for(j=1;j<=k;j++){
                System.out.print("* ");
            }k+=2;
            l--;
            System.out.print("\n");
        }
    }
}

```

xv) 1
1 2
1 2 3
1 2 3 4

Solution:

```
import java.util.Scanner;
public class Pattern {
    public static void main(String[] args){
        System.out.print("Enter the row : ");
        Scanner s=new Scanner(System.in);
        int row=s.nextInt();
        int i,j;
        for(i=1;i<=row;i++){
            for(j=1;j<=i;j++)
                System.out.printf("%d ",j);
            System.out.print("\n");
        }
    }
}
```



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