

Code  at Random
(OPC) PVT. LTD.

NUMERICAL EQUILATERAL TRIANGULAR PATTERNS

PROGRAMS TO PRACTICE

1.

1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
2.

1
2 1 2
3 2 1 2 3
4 3 2 1 2 3 4
5 4 3 2 1 2 3 4 5
3.

5
4 5 4
3 4 5 4 3
2 3 4 5 4 3 2
1 2 3 4 5 4 3 2 1
4.

1 2 3 4 5 4 3 2 1
2 3 4 5 4 3 2
3 4 5 4 3
4 5 4
5
5.

5 4 3 2 1 2 3 4 5
4 3 2 1 2 3 4
3 2 1 2 3
2 1 2
1
6.

1 1 1 1 1
1 2 2 2 2
1 2 3 3 3
1 2 3 4 4
1 2 3 4 5

1st Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4;  
    for (int i=1 ; i<=5 ; i++)  
    {  
        for(int k=1 ; k<=sp ; k++)  
            System.out.print(" ");  
  
        for(int j=1 ; j<=i ; j++)  
            System.out.print(j);  
  
        for(l=i-1 ; l>=1 ; l--)  
            System.out.print(l);  
        SOPln( );  
        sp--;  
    }  
}
```

2nd Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4;  
    for (int i=1 ; i<=5 ; i++)  
    {  
        for(int k=1 ; k<=sp ; k++)  
            System.out.print(" ");  
  
        for(int j=i ; j>=1 ; j--)  
            System.out.print(j);  
  
        for(int l=2;l<=i;l++)  
            System.out.print(l);  
        SOPln( );  
        sp--;  
    }  
}
```

3rd Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4;  
    for (int i=5;i>=1;i--)  
    {  
        for(int k=1;k<=sp;k++)  
            System.out.print(" ");  
  
        for(int j=i;j<=5;j++)  
            System.out.print(j);  
  
        for(int l=4;l>=i;l--)  
            System.out.print(l);  
        SOPln( );  
        sp--;  
    }  
}
```

4th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=0;  
    for (int i=1 ; i<=5 ; i++)  
    {  
        for(int k=1 ; k<=sp ; k++)  
            System.out.print(" ");  
  
        for(int j=i ; j<=5 ; j++)  
            System.out.print(j);  
  
        for(int l=4 ; l>=i ; l--)  
            System.out.print(l);  
        SOPln( );  
        sp++;  
    }  
}
```

5th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4;  
    for (int i=1 ; i<=5 ; i--)  
    {  
        for(int k=1 ; k<=sp ; k++)  
            System.out.print(" ");  
  
        for(int j=5 ; j>=i ; j--)  
            System.out.print(j);  
  
        for(int l=i+1 ; l<=5 ; l++)  
            System.out.print(l);  
        SOPln( );  
        sp++;  
    }  
}
```

6th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4;  
    for (int i=1 ; i<=5 ; i--)  
    {  
        for(int j=1 ; j<=i ; j++)  
            System.out.print(j);  
  
        for(int k=1 ; k<=a ; k++)  
            System.out.print(i);  
        SOPln( );  
        a--;  
    }  
}
```