

Code  at Random
(OPC) PVT. LTD.

TRIANGULAR

PATTERNS - 3

PROGRAMS TO PRACTICE

1. *
 * *
 * * *
 * * * *
 * * * * *

2. *
 @ @
 * * *
 @ @ @ @
 * * * * *

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

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

5. *
 * * *
 * * * * *
 * * * * * *
* * * * * * * *

6. *
 * *
 * * *
 * * * *
 * * * * *

7. *
 * *
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 * *
 * *
* * * * * * *

8. *
 * @ *
 * @ * @ *
 * @ * @ * @ *
 * @ * @ * @ *
* @ * @ * @ *

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(" * ");  
        }  
        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=1;j<=i;j++)  
        {  
            if(i%2==0)  
                System.out.print(" @ ");  
            else  
                System.out.print("*");  
        }  
        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);  
        }  
        SOPln( );  
        sp--;  
    }  
}
```

4th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=0;  
    for (int i=5;i>=1;i--)  
    {  
        for(int k=1;k<=sp;k++)  
        {  
            System.out.print(" ");  
        }  
        for(int j=i;j>=1;j--)  
        {  
            System.out.print(j);  
        }  
        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=1;j<=a;j++)  
        {  
            System.out.print(" *");  
        }  
        SOPln( );  
        sp--;  
        a+=2;  
    }  
}
```

6th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4,a=1;  
    for (int i=1;i<=5;i++)  
    {  
        for(int k=1;k<=sp;k++)  
        {  
            System.out.print(" ");  
        }  
        for(int j=1;j<=a;j++)  
        {  
            if(j%2==0)  
                System.out.print(" ");  
            else  
                System.out.print("*");  
        }  
        SOPln( );  
        sp--;  
        a+=2;  
    }  
}
```


7th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4,a=1;  
    for (int i=1;i<=5;i++)  
    {  
        for(int k=1;k<=sp;k++)  
        {  
            System.out.print(" ");  
        }  
        for(int j=1;j<=a;j++)  
        {  
            if(i==1 || i==5 || j==1 || j==a)  
                System.out.print(" *");  
            else  
                System.out.print(" ");  
        }  
        SOPln( );  
        sp--;  
        a+=2;  
    }  
}
```

8th Pattern Program

- **Source Code:-**

```
void main() {  
    int sp=4,a=1;  
    for (int i=1;i<=5;i++)  
    {  
        for(int k=1;k<=sp;k++)  
        {  
            System.out.print(" ");  
        }  
        for(int j=1;j<=a;j++)  
        {  
            if(j%2==0)  
                System.out.print(" @");  
            else  
                System.out.print("*");  
        }  
        SOPln( );  
        sp--;  
        a+=2;  
    }  
}
```

THANK YOU



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