

Engineering Animuthyam

Java DSA – Course Part -10

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

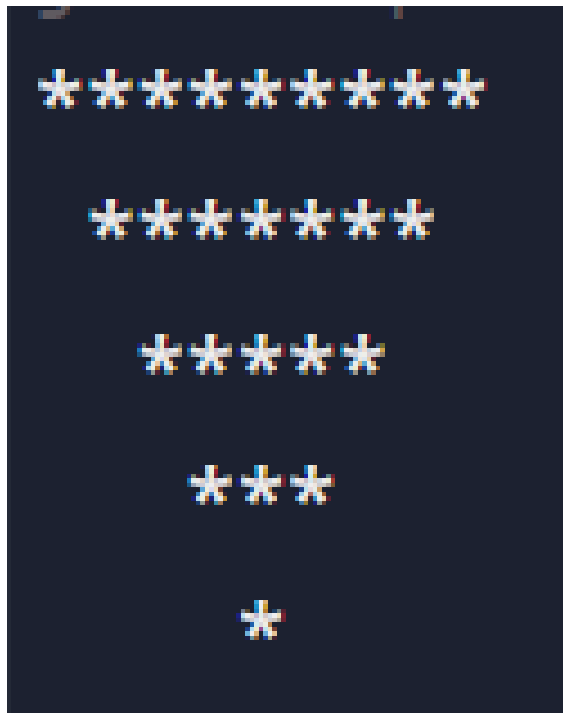
Hello machas, Bagunnara.

Animuthyam Mugula Competition Part-2

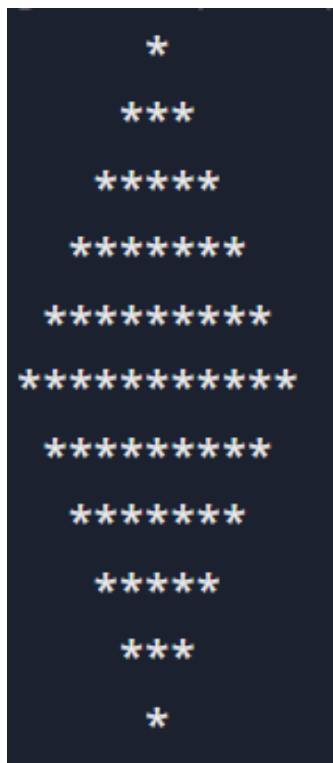
8) Konda Muggu



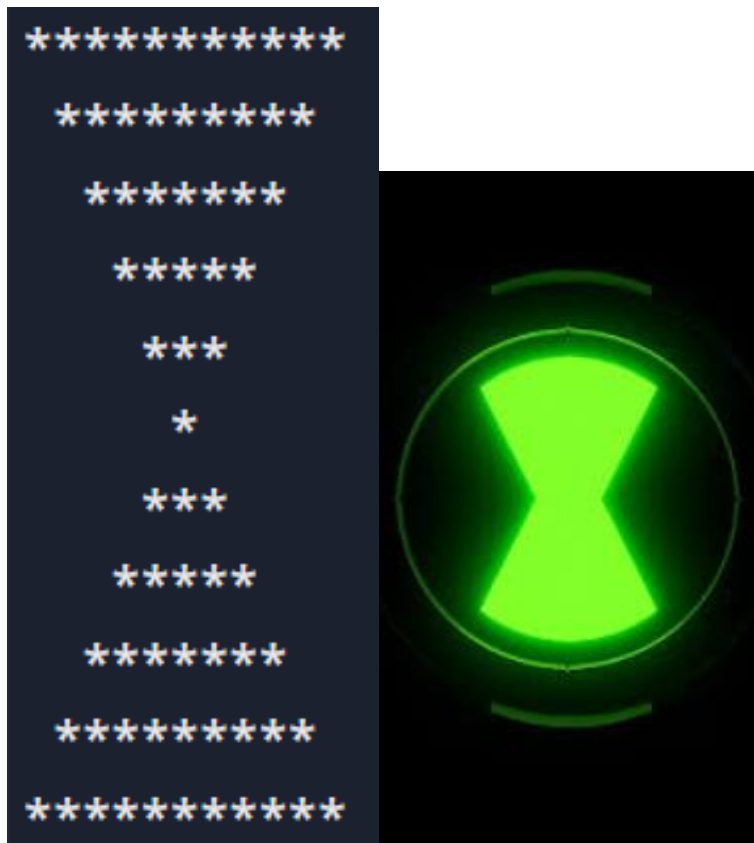
9) Reverse Konda Muggu



10) Reverse Konda midha straight Konda



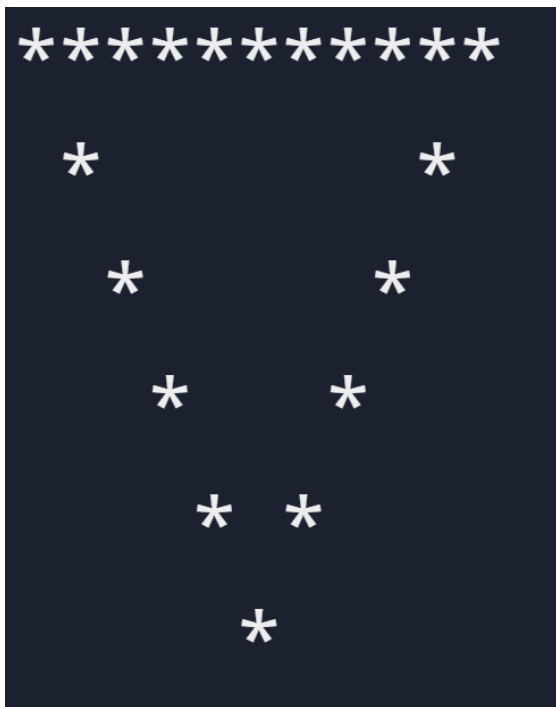
11) Ben 10 Watch



12) Bokka padina Konda



13) Bokka padina reverse Konda



14)



15)

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
```

16)

```

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

17)

```
    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
```

Solutions:

8)

```
class HelloWorld {
    public static void main(String[] args) {
        int n = 5;
        for(int i=0;i<n;i++){
            for(int j=0;j<n-i-1;j++){
                System.out.print(" ");
            }
            for(int k=0;k<2*i+1;k++){
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

9)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n = 5;  
        for(int i=n-1;i>=0;i--){  
            for(int j=0;j<n-i-1;j++){  
                System.out.print(" ");  
            }  
            for(int k=0;k<2*i+1;k++){  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```

10)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n = 6;  
        for(int i=n-1;i>=0;i--){  
            for(int j=0;j<n-i-1;j++){  
                System.out.print(" ");  
            }  
            for(int k=0;k<2*i+1;k++){  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
        for(int i=1;i<n;i++){  
            for(int j=0;j<n-i-1;j++){  
                System.out.print(" ");  
            }  
            for(int k=0;k<2*i+1;k++){  
                System.out.print("*");  
            }  
            System.out.println();  
        }  
    }  
}
```


11)

```
class HelloWorld {
    public static void main(String[] args) {
        int n = 6;
        for(int i=0;i<n;i++){
            for(int j=0;j<n-i-1;j++){
                System.out.print(" ");
            }
            for(int k=0;k<2*i+1;k++){
                System.out.print("*");
            }
            System.out.println();
        }
        for(int i=n-2;i>=0;i--){
            for(int j=0;j<n-i-1;j++){
                System.out.print(" ");
            }
            for(int k=0;k<2*i+1;k++){
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

12)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n = 6;  
        for(int i=0;i<n;i++){  
            for(int j=0;j<n-i-1;j++){  
                System.out.print(" ");  
            }  
            for(int k=0;k<2*i+1;k++){  
                if(k==0 || k==2*i || i==n-1){  
                    System.out.print("*");  
                }  
                else{  
                    System.out.print(" ");  
                }  
            }  
            System.out.println();  
        }  
    }  
}
```

13)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n = 6;  
        for(int i=n-1;i>=0;i--){  
            for(int j=0;j<n-i-1;j++){  
                System.out.print(" ");  
            }  
            for(int k=0;k<2*i+1;k++){  
                if(k==0 || k==2*i || i==n-1){  
                    System.out.print("*");  
                }  
                else{  
                    System.out.print(" ");  
                }  
            }  
            System.out.println();  
        }  
    }  
}
```

14)

```
class HelloWorld {
    public static void main(String[] args) {
        int n = 6;
        for(int i=0;i<n-2;i++){
            for(int j=0;j<n-i-1;j++){
                System.out.print(" ");
            }
            for(int k=0;k<2*i+1;k++){
                if(k==0 || k==2*i || i==n-1){
                    System.out.print("*");
                }
                else{
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
        for(int i=n-2;i>=0;i--){
            for(int j=0;j<n-i-1;j++){
                System.out.print(" ");
            }
            for(int k=0;k<2*i+1;k++){
                if(k==0 || k==2*i || i==n-1){
                    System.out.print("*");
                }
                else{
                    System.out.print(" ");
                }
            }
            System.out.println();
        }
    }
}
```

15)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n = 6;  
        for(int i=n-1;i>=0;i--){  
            for(int j=1;j<=n-i;j++){  
                System.out.print(j+" ");  
            }  
  
            System.out.println();  
        }  
    }  
}
```

16)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n=5;  
        for(int i=0;i<n;i++){  
            for(int j=0;j<2*(n-i-1);j++){  
                System.out.print(" ");  
            }  
            for(int k=i+1;k>=1;k--){  
                System.out.print(k+ " ");  
            }  
            System.out.println();  
        }  
    }  
}
```

17)

```
class HelloWorld {  
    public static void main(String[] args) {  
        int n=5;  
        for(int i=0;i<n;i++){  
            for(int j=0;j<2*(n-i-1);j++){  
                System.out.print(" ");  
            }  
            for(int k=i+1;k>=1;k--){  
                System.out.print(k+ " ");  
            }  
            for(int k=2;k<=i+1;k++){  
                System.out.print(k+" ");  
            }  
            System.out.println();  
        }  
    }  
}
```