

## Half Pyramid

Input:

```
1 i=1
2 while i<=5:
3     print(i*" ")
4     i=i+1
```

Output:

```
*
**
***
****
*****
```

[Program finished]

## Inverted Half Pyramid

Input:

```
1 i=5
2 while i>=1:
3     print(i*" *")
4     i=i-1
```

Output:

```
*****
****
***
**
*
```

[Program finished]

## Hollow Half Pyramid

Input:

```
1 i=6
2 while i<7:
3     print(i*" * ")
4     i+=1
5 j=4
6 while j>=0:
7     print(" *",j*"  ", " *")
8     j-=1
9 print(" *")
```

Output:

```
* * * * *
*      *
*      *
*      *
*      *
*      *
*      *
*
[Program finished]
```

## Full Pyramid

Input:

```
1 i=5
2 j=1
3 while j<=5 and i>=1:
4     print(i*" ",j*"*")
5     j=j+1
6     i=i-1
7
```

Output:

```
  *
 **
***
****
*****
[Program finished]
```

## Inverted full Pyramid

Input:

```
1 i=1
2 j=5
3 while i<=5 and j>=1:
4     print(i*" ",j*"*")
5     i=i+1
6     j=j-1
```

Output:

```
*****
****
***
**
*
```

[Program finished]

## Hollow Full Pyramid

Input:

```
1 i=4
2 j=1
3 while i<5 and j<2:
4     print(i*" " ,j*" *")
5     i+=1
6     j+=1
7 i=1
8 j=5
9 while j>=1 or i<=5:
10    print(j*" " , "*" ,i*" " , "*")
11    j-=1
12    i+=1
13 i=5
14 while i<6:
15    print(i*" * ")
16    i+=1
17
```

Output:

```
  *
 * *
 * *
 * *
 * *
 * *
* * * * *

[Program finished]
```

## Exercise

Input:

```
1 i=5
2 j=1
3 while j<=5 and i>=1:
4     print(i*" ",j*"**")
5     i=i-1
6     j=j+1
7 i=2
8 j=4
9 while j>=1 and i<=5:
10    print(i*" ",j*"**")
11    j=j-1
12    i=i+1
13
```

Output:

```
  *
 **
***
****
*****
****
***
**
*

[Program finished]
```

## Exercise

### Input:

```
1 i=1
2 j=5
3 while j>=1 and i<=5:
4     print(i*" ",j*"*")
5     i=i+1
6     j=j-1
7 i=4
8 j=2
9 while j<=5 and i>=1:
10    print(i*" ",j*"*")
11    j=j+1
12    i=i-1
```

### Output:

```
*****
****
***
**
*
**
***
****
*****
```

[Program finished]



## Exercise

Input:

```
1 | i=0
2 | for i in range(6):
3 |     print("*****|")
```

Output:

```
*****
*****
*****
*****
*****
*****
```

[Program finished]