

The left diagram shows a solid 7x7 grid of asterisks, representing a dense matrix. The right diagram shows a 7x7 grid with asterisks only at the perimeter, representing a sparse matrix structure.

### Part 1 - Print the following Pyjamas shapes

Printing Pajama ☺

**Write a Program which asks for 4 options menu:**

**Option 1:** It Takes the Dimension and prints the following shape:

```

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

```

**Option 2:** It takes as parameter and prints the following Shape:

```

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

```

**Option 3:** It takes the appropriate parameters and Prints the following shape:

[illegible]

### option 4: Exit

your program should keep on asking until the user Selects Exit Option

## PART 2

## Make hollow shapes pyjamas

## CHALLENGE III

1. Print the following shapes H = 5

1	1 2 3 4 5	A	1	1
1 2	1 2 3 4	B B	2 3 2	2 3
1 2 3	1 2 3	C C C	3 4 5 4 3	4 5 6
1 2 3 4	1 2	D D D D	4 5 6 7 6 5 4	7 8 9 10
1 2 3 4 5	1	E E E E E	5 6 7 8 9 8 7 6 5	

```

-----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
1 2 3 4 5 6 5 4 3 2 1
*** "_ " means space ***|

```

2. Print these 4 fibonacci pattern without making fib function

```

Height: 10
1
1 1
1 1 2
1 1 2 3
1 1 2 3 5
1 1 2 3 5 8
1 1 2 3 5 8 13
1 1 2 3 5 8 13 21
1 1 2 3 5 8 13 21 34
1 1 2 3 5 8 13 21 34 55

```

```

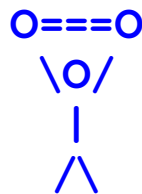
Height: 10
1
1 1
2 1 1
3 2 1 1
5 3 2 1 1
8 5 3 2 1 1
13 8 5 3 2 1 1
21 13 8 5 3 2 1 1
34 21 13 8 5 3 2 1 1
55 34 21 13 8 5 3 2 1 1

```

```

Height: 10
1
1 1
2 2 2
3 3 3 3
5 5 5 5 5
8 8 8 8 8 8
13 13 13 13 13 13 13
21 21 21 21 21 21 21 21
34 34 34 34 34 34 34 34 34
55 55 55 55 55 55 55 55 55 55

```



Happy Coding... :)  
Good luck

```

Height: 10
55
34 34
21 21 21
13 13 13 13
8 8 8 8 8
5 5 5 5 5 5
3 3 3 3 3 3 3
2 2 2 2 2 2 2 2
1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1

```