# 1) Write a program to print the below pattern based on number of rows:

**input: Enter rows: 5**
**Output:**

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

**2) Write a program to print the below pattern based on number of rows:**

**input: Enter rows: 5**
**Output:**

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

**3) Write a program to print the below pattern based on number of rows:**

**input: Enter rows: 5**
**Output:**

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

```python
def pattern(n):
    for i in range(1, n + 1):
        for j in range(1, 2 * n):
            if j == n - i + 1 or j == n + i - 1 or i == n:
                print("*", end="")
            else:
                print(" ", end="")
        print()
rows = 5
pattern(rows)
```

What will be the output pattern:

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