# Practical 4:-

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# Pattern 1:-

```
In [13]: size = int(input("Enter size: "))
for i in range(size):
    # 65 is the ASCII value of 'A'
    ch = 65 + i
    for j in range(size - i):
        print(chr(ch), end = " ")
    print()
A A A A A
B B B B
C C C
D D
E
```

# Pattern 2:-

```
In [14]:
    size = int(input("Enter size: "))
    c = 1
    for i in range(size):
        for j in range(i + 1):
            print(c, end = " ")
            c += 1
        print()
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

### Pattern 3:-

```
* * * *

* * * *

* * *
```

## Pattern 4:-

```
In [17]: size = int(input("Enter size: "))

for i in range(size):
    # logic to print blank spaces
    print(" " * (size - (i+1)), end = "")
    # logic to print stars along with spaces
    print("* " * (i+1))

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

### Pattern 5:-

```
In [18]: size = int(input("Enter size: "))

for i in range(size):
    for j in range(i + 1):
        if j == 0 or j == i or i == 0 or i == size-1:
            print("*", end = " ")
        else:
            print(" ", end = " ")
        print()
```

# Pattern 6:-

### Pattern 7:-