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Div: A

5. Write a program to print following patterns

Code:

```
#pattern 1
```

```
n = 5
```

```
for i in range(1,n):
```

```
    num = 1
```

```
    for j in range(1,i+1):
```

```
        print(num,end="")
```

```
        num = num + 1
```

```
    print("\r")
```

Output:

```
1
```

```
1 2
```

```
1 2 3
```

```
1 2 3 4
```

Code:

```
#pattern 2
```

```
rows = 4
```

```
for i in range(rows, 0, -1):  
    num = i  
    for j in range(0, i):  
        print("*", end=" ")  
    print("\r")
```

Output:

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

Code:

```
#pattern 3  
  
rows = 5  
  
for i in range(rows, 0, -1):  
    num = i  
    for j in range(0, i):  
        print(num, end=" ")  
    print("\r")
```

Output:

```
5 5 5 5 5  
4 4 4 4  
3 3 3
```

2 2

1

Code:

```
#pattern 4
```

```
ascii_number = 65
```

```
rows = 5
```

```
for i in range(0, rows):
```

```
    for j in range(0, i + 1):
```

```
        character = chr(ascii_number)
```

```
        print(character, end=' ')
```

```
        ascii_number += 1
```

```
    print(" ")
```

Output:

A

B C

D E F

G H I J

K L M N O