python-pattern-question

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0.1 Question: Write a Python program to print the following pattern:

Code Solution

```
[1]: for i in range(1, 6):
         print('*' * i)
```

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

0.1.1 Question: Write a Python program to print the following pattern:

Code Solution

```
[2]: for i in range(1, 6):
         print(' ' * (5 - i) + '*' * i)
```

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

0.1.2 Question: Write a Python program to print the following pattern:

Code Solution

```
[3]: for i in range(5, 0, -1):
         print('*' * i)
```

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

0.1.3 Question: Write a Python program to print the following pattern:

Code Solution

```
[4]: for i in range(1, 6):
         print(' ' * (5 - i) + str(i) * (2 * i - 1))
```

```
    1
   222
  33333
 4444444
555555555
```

0.1.4 Question: Write a Python program to print the following pattern:

Code Solution

```
[5]: for i in range(1, 6):
         print(chr(64 + i) * i)
```

```
A
BB
CCC
DDDD
EEEEE
```

0.1.5 Question: Write a Python program to print the following pattern:

Code Solution

```
[6]: for i in range(1, 6):
         print(' ' * (5 - i) + chr(64 + i) * (2 * i - 1))
```

```
    A
   BBB
  CCCCC
 DDDDDDD
EEEEEEEEE
```

0.1.6 Question: Write a Python program to print the following pattern:

Code Solution

```
[7]: for i in range(5, 0, -1):
         print(' ' * (5 - i) + ''.join(str(j) for j in range(1, i + 1)))
```

```
12345
 1234
  123
   12
    1
```

0.1.7 Question: Write a Python program to print the following pattern:

Code Solution

```
[8]: for i in range(1, 6):
         print(str(i) * i)
```

```
1
22
333
4444
55555
```

0.1.8 Question: Write a Python program to print the following pattern:

Code Solution

```
[10]: for i in range(1, 6):
          print(' ' * (5 - i) + str(i) * (2 * i - 1))
      for i in range(4, 0, -1):
          print(' ' * (5 - i) + str(i) * (2 * i - 1))
```

```
    1
   222
  33333
 4444444
555555555
 4444444
  33333
   222
    1
```

0.1.9 Question: Write a Python program to print the following pattern:

Code Solution

```
[12]: for i in range(5, 0, -1):
          print(' ' * (5 - i) + '*' * i)
      for i in range(2, 6):
          print(' ' * (i - 1) + '*' * (6 - i))
```

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

0.1.10   Question: Write a Python program to print the following pattern:

Code Solution

```
[13]:  count = 1
       for i in range(1, 5):
           for j in range(i):
               print(count, end='')
               count += 1
           print()
```

```
1
23
456
78910
```

0.1.11   Question: Write a Python program to print the following pattern:

Code Solution

```
[14]:  for i in range(1, 6):
           for j in range(1, i + 1):
               print(j, end='')
           print()
```

```
1
12
123
1234
12345
```

0.1.12   Question: Write a Python program to print the following pattern:

Code Solution

```
[20]:  for i in range(1, 6):
           for j in range(5, i - 1, -1):
               print(j, end="")
           print()
```

```
54321
5432
543
54
5
```

```
[ ]:
```