7/23/22, 10:51 PM Untitled

## Pattern 1

\*
 \* \*
 \* \*
 \* \* \*

## Pattern 2

```
In [10]:
    n = int(input("Enter the number: "))
    print()

for col in range(1, n+1):  # loop for number of columns
    for row in range(1, col+1):  # loop for number of rows
        print(row , end=" ")
    print()
```

Enter the number: 5

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

7/23/22, 10:51 PM Untitled

## Pattern 3

```
In [17]:
          n = int(input("Enter the number: "))
          print()
          pattern = [0,n-1]
          for col in range(n):
              for row in range(n):
                  if row in pattern or col in pattern:
                      print("*",end=" ")
                  else:
                      print(end=" ")
              print()
         Enter the number: 5
          * * * * *
In [18]:
          # without space
          n = int(input("Enter the number: "))
          print()
          pattern = [0, n-1]
          for col in range(n):
              for row in range(n):
                  if row in pattern or col in pattern:
                      print("*",end="")
                  else:
                      print(end=" ")
              print()
         Enter the number: 5
```

file:///C:/Users/Nitesh/Downloads/Untitled.html

In [ ]:			