▾ Q1. Write a program to print the following pattern

1

22

333

4444

55555

```
n = int(input("Enter number of rows: "))

for i in range(1,n+1):
    for j in range(1, i+1):
        print(i, end="")
    print()
```

⌂→   Enter number of rows: 5
      1
      22
      333
      4444
      55555

Q2 Write a Python program to add two numbers using class and object.
▾

```
class Addition:

    def Add(self, num1, num2):
        sum = num1 + num2
        return sum

num1 = int(input("Enter first number:"))
num2 = int(input("Enter second number:"))

add_nums = Addition()
sum = add_nums.Add(num1, num2)

print("Sum of two numbers is:", sum)
```

```
Enter first number:7
Enter second number:4
Sum of two numbers is: 11
```

Q3. Define a function swap that should swap two values and print the swapped variables outside the swap function.

```python
def Swap_variables(x, y):
  x, y = y, x
  print("Values of x and y after swapping:",x,y)


x = int(input("Enter 1st variable to swap: "))
y = int(input("Enter 2nd variable to swap: "))
print("Values of x and y before swapping:",x,y)
Swap_variables(x, y)
```

```
Enter 1st variable to swap: 6
Enter 2nd variable to swap: 7
Values of x and y before swapping: 6 7
Values of x and y after swapping: 7 6
```