

Question 1

Write a program to print the following pattern

1

22

333

4444

55555

```
In [3]: 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

Question 2

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

(Take both numbers as input from the user)

```
In [6]: class Test:

        def findsum(self, a, b):
            s = a + b
            return s

a = int(input("Enter first number:"))
b = int(input("Enter second number:"))

obj = Test()
s = obj.findsum(a, b)

print("Sum is:", s)
```

Enter first number:5

Enter second number:35
Sum is: 40

Question 3

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

```
In [14]: def swap(s1, s2):  
         return s2, s1  
  
s1 = 10  
s2 = 12  
s1, s2 = swap(s1, s2)  
print(s1, s2) # prints 'b a'
```

12 10