

CLASS TEST-2

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SUBJECT CODE:CSA0836

SUBJECT: PYTHON PROGRAMMING

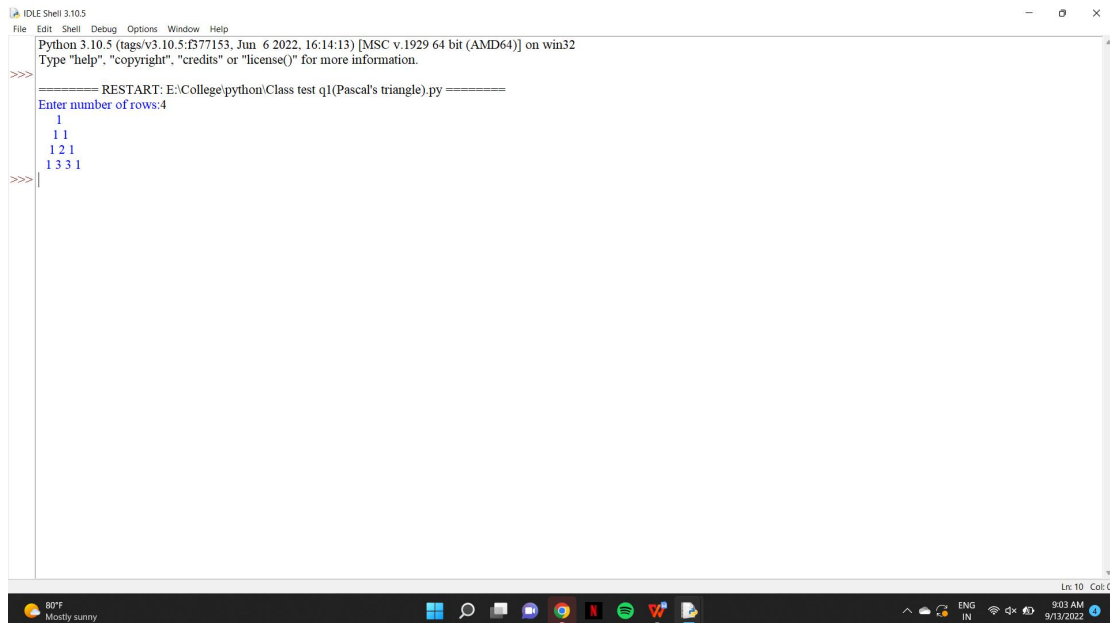
DATE: 12/09/2022

1) Implement triangle array of the binomial coefficient using probability(Pascal's triangle)

Program:

```
from math import factorial
n=int(input("Enter number of rows:"))
for i in range(n):
    for j in range(n-i+1):
        print(end=" ")
    for j in range(i+1):
        print(factorial(i)//(factorial(j)*factorial(i-j)),end=" ")
    print()
```

Output:



The screenshot shows an IDLE Python Shell window. The title bar reads "IDLE Shell 3.10.5". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The shell text area displays the following content:

```
Python 3.10.5 (tags/v3.10.5:f377153, Jun 6 2022, 16:14:13) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\College\python\Class test q1(Pascal's triangle).py =====
Enter number of rows:4
1
1 1
1 2 1
1 3 3 1
>>>
```

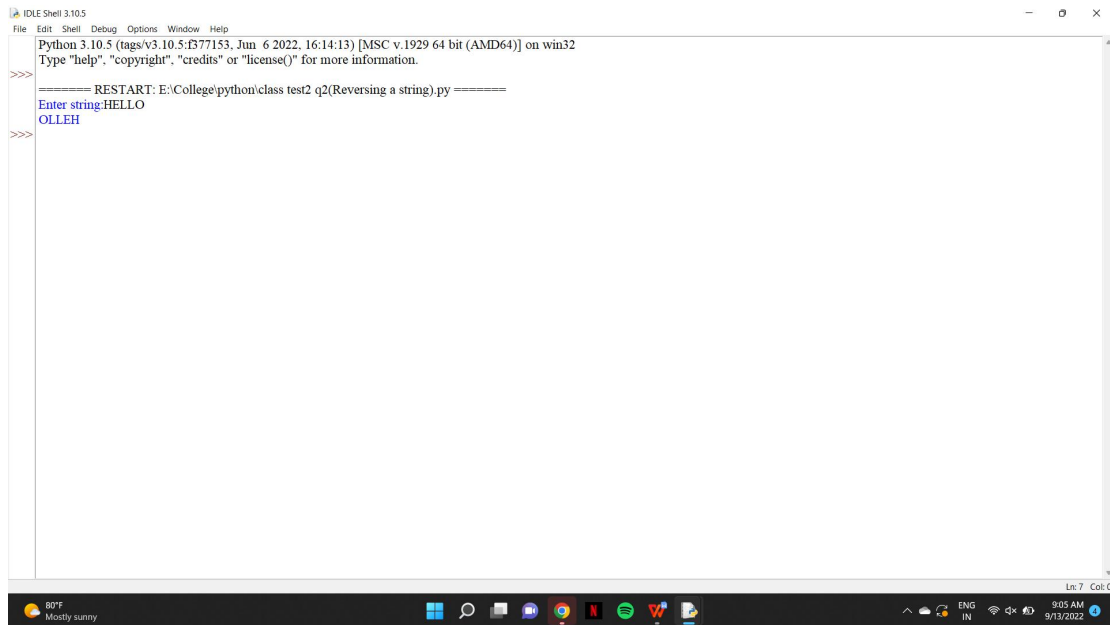
The Windows taskbar is visible at the bottom, showing the "BPF Mostly sunny" weather widget, the Start button, and several application icons. The system clock in the bottom right corner indicates "9:03 AM 9/13/2022".

2) Implement program to reverse a string

Program:

```
def reverse(x):
    return x[::-1]
d=input("Enter string:")
print(reverse(d))
```

Output:



The screenshot shows an IDLE Shell window titled "IDLE Shell 3.10.5". The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell displays the following text:

```
Python 3.10.5 (tags/v3.10.5:f377153, Jun 6 2022, 16:14:13) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=====RESTART: E:\College\python\class test2 q2(Reversing a string).py=====
Enter string:HELLO
OLLEH
>>>
```

The Windows taskbar is visible at the bottom, showing the weather as "BPPF Mostly sunny", the time as "9:05 AM", and the date as "9/13/2022".