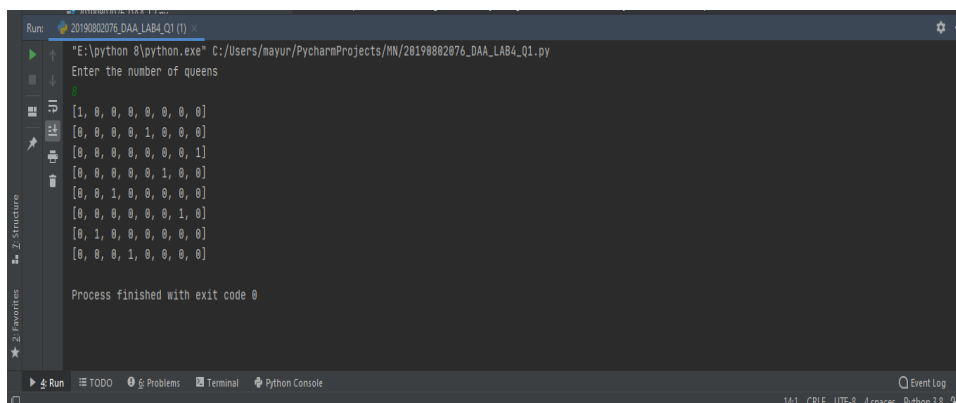


Name : Mayuresh Bhagwan Nehe

PRN No: - 20190802076

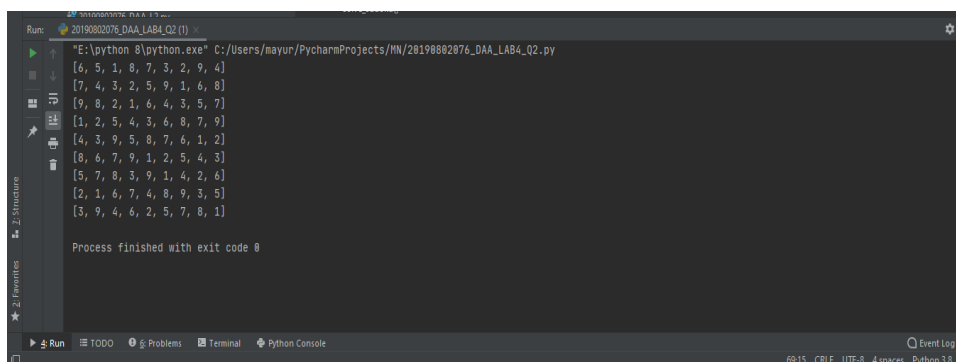
Snap For LAB-4

Q1. N Queen Problem :



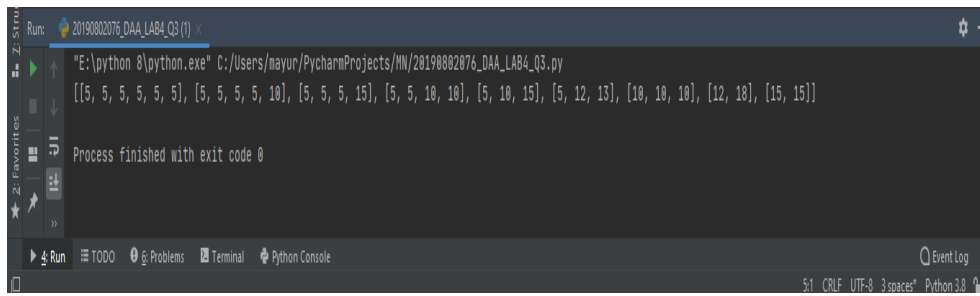
```
Run: 20190802076_DAA_LAB4_Q1 (1)
"E:\python 8\python.exe" C:/Users/mayur/PycharmProjects/MN/20190802076_DAA_LAB4_Q1.py
Enter the number of queens
[1, 0, 0, 0, 0, 0, 0, 0]
[0, 0, 0, 0, 1, 0, 0, 0]
[0, 0, 0, 0, 0, 0, 0, 1]
[0, 0, 0, 0, 0, 1, 0, 0]
[0, 0, 1, 0, 0, 0, 0, 0]
[0, 0, 0, 0, 0, 0, 1, 0]
[0, 1, 0, 0, 0, 0, 0, 0]
[0, 0, 0, 1, 0, 0, 0, 0]
[0, 0, 0, 0, 1, 0, 0, 0]
[0, 0, 0, 1, 0, 0, 0, 0]
Process finished with exit code 0
```

Q2. Suduko Problem :



```
Run: 20190802076_DAA_LAB4_Q2 (1)
"E:\python 8\python.exe" C:/Users/mayur/PycharmProjects/MN/20190802076_DAA_LAB4_Q2.py
[6, 5, 1, 8, 7, 3, 2, 9, 4]
[7, 4, 3, 2, 5, 9, 1, 6, 8]
[9, 8, 2, 1, 6, 4, 3, 5, 7]
[1, 2, 5, 4, 3, 6, 8, 7, 9]
[4, 3, 9, 5, 8, 7, 6, 1, 2]
[8, 6, 7, 9, 1, 2, 5, 4, 3]
[5, 7, 8, 3, 9, 1, 4, 2, 6]
[2, 1, 6, 7, 4, 8, 9, 3, 5]
[3, 9, 4, 6, 2, 5, 7, 8, 1]
Process finished with exit code 0
```

Q3. Combination Sum :



The image shows a PyCharm Run console window. The title bar indicates the file being run is 20190802076_DAA_LAB4_Q3 (1). The console output shows the command "E:\python 8\python.exe" C:/Users/mayur/PycharmProjects/MN/20190802076_DAA_LAB4_Q3.py and the resulting list of lists: [[5, 5, 5, 5, 5, 5], [5, 5, 5, 5, 10], [5, 5, 5, 15], [5, 5, 10, 10], [5, 10, 15], [5, 12, 13], [10, 10, 10], [12, 10], [15, 15]]. Below the output, it states "Process finished with exit code 0". The bottom status bar shows "5:1 CRLF UTF-8 3spaces" and "Python 3.8".

```
Run: 20190802076_DAA_LAB4_Q3 (1)
"E:\python 8\python.exe" C:/Users/mayur/PycharmProjects/MN/20190802076_DAA_LAB4_Q3.py
[[5, 5, 5, 5, 5, 5], [5, 5, 5, 5, 10], [5, 5, 5, 15], [5, 5, 10, 10], [5, 10, 15], [5, 12, 13], [10, 10, 10], [12, 10], [15, 15]]
Process finished with exit code 0
```

Run | TODO | Problems | Terminal | Python Console | Event Log

5:1 CRLF UTF-8 3spaces Python 3.8