In [4]:
```python
# PROBLEM 2
row_num = int(input("Input number of rows: "))
col_num = int(input("Input number of columns: "))
multi_list = [[row*col for col in range(col_num)] for row in range(row_num)]

print(multi_list)
```

Input number of rows: 3
Input number of columns: 5
[[0, 0, 0, 0, 0], [0, 1, 2, 3, 4], [0, 2, 4, 6, 8]]

In [ ]: