

## Week 5 (Practice)

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### Exercise 1

Write a Python program to create the multiplication table (from 1 to 10) of a number.

*Expected Output:*

```
Input a number: 6
6 x 1 = 6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60
```

### Exercise 2

Write a Python program to find numbers between 100 and 400 (both included) where each digit of a number is an even number. The numbers obtained should be printed in a comma-separated sequence.

Note: List is used. You may need to use append and join in your coding.

### Exercise 3

Write a Python program to construct the following pattern:

```
★
★★
★★★
★★★★
★★★★★
★★★★★★
★★★★★★★
★★★★★★★
★★★★★★★
★★★★★★
★★★★★
★★★★
★★★
★★
★
>>> |
```

#### Exercise 4

Write a python program to find out the square numbers from an input.

Sample output:

```
Square numbers
~~~~~
Enter a number:6
Number  Square
1       1
2       4
3       9
4       16
5       25
6       36
>>> |
```