

Introduction to Computer Programming

2.2 User input & nested conditionals



In-class Demos

Example 1: Write a program that asks for the user's age and checks if they are 18 or over.

In [17]:

```
age = input('Enter your age: ')
age = int(age)
if age >= 18:
    print('over 18')
```

Enter your age: 34
over 18

Example 2: Write a program that:

- asks the user to input a number
- checks if a number is odd or even
- checks if input even numbers are multiples of 4
- checks if input odd numbers are multiples of 3

In [19]:

```
N = input('input a number:')
N = int(N)
if N % 2: # number is odd
    print('N is odd', end='')
    if not N % 3:
        print(' and mutiple of 3')
else:
    print('N is odd', end='')
    if not N % 4:
        print(' and multiple of 4')
```

input a number:4
N is odd and multiple of 4

