Class 3

Introduction to Python Programming - Intro2Py

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Previous Class

Please maintain the timing of the class.

Question regarding the previous class?

Assignment ?

Number Systems

- Decimal Number System
  - o 0 - 9

- Binary Number System
  - o 0, 1

- Octal Number System
  - o 0 - 7

- Hexa-decimal Number System
  - o 0 – 9, A - F

Formulation

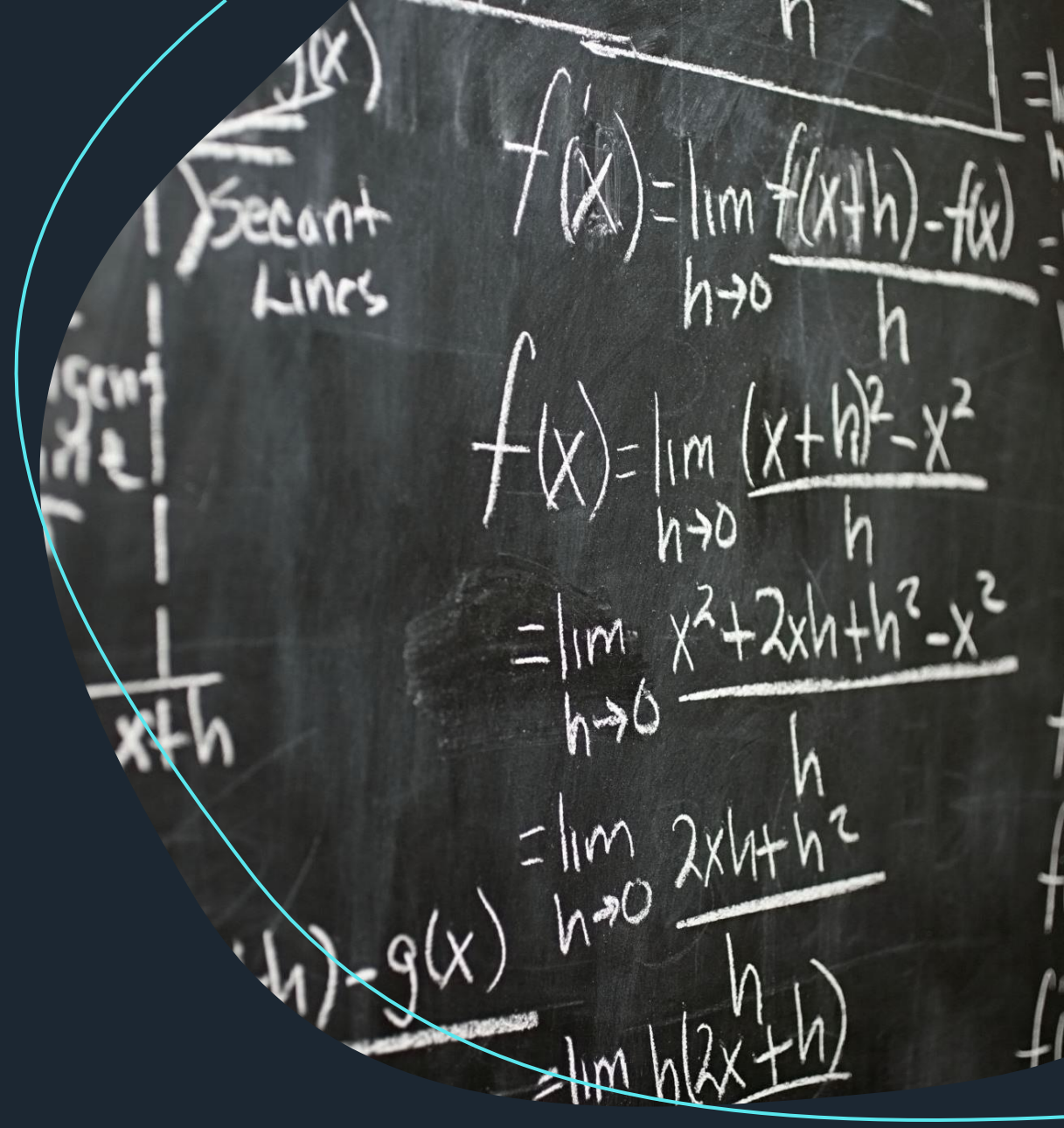|	
Decimal Number : 101_{10}	• $1 * 10^2 + 0 * 10^1 + 1 * 10^0 = 101_{10}$
Binary Number : 101_2	• $1 * 2^2 + 0 * 2^1 + 1 * 2^0 = 5_{10}$
Octal Number : 101_8	• $1 * 8^2 + 0 * 8^1 + 1 * 8^0 = 72_{10}$
Hexa-decimal Number : 101_{16}	• $1 * 16^2 + 0 * 16^1 + 1 * 16^0 = 272_{10}$

$$\text{Sum} (C * R^i)$$

Exercise

- What is the binary, octal & hexa-decimal value of 193_{10}
  - 11000001_2
  - 301_8
  - $C1_{16}$

[Colab Notebook](#)

Thank You