

Introduction to Programming Basics & JAVA

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Agenda

- On Off
- Input and Output
- Number system
 - Decimal
 - Binary
 - Octal
 - Hexadecimal
- ASCII
- How image, audio, video is stored in binary?
- Memory

Number System

Decimal
Number system

Numbers with
base 10

EX- $(102)_{10}, (24.579)_{10}, \dots$

Binary
Number system

Numbers with
base 2

$(1011)_2, (101.0011)_2, \dots$

Octal
Number system

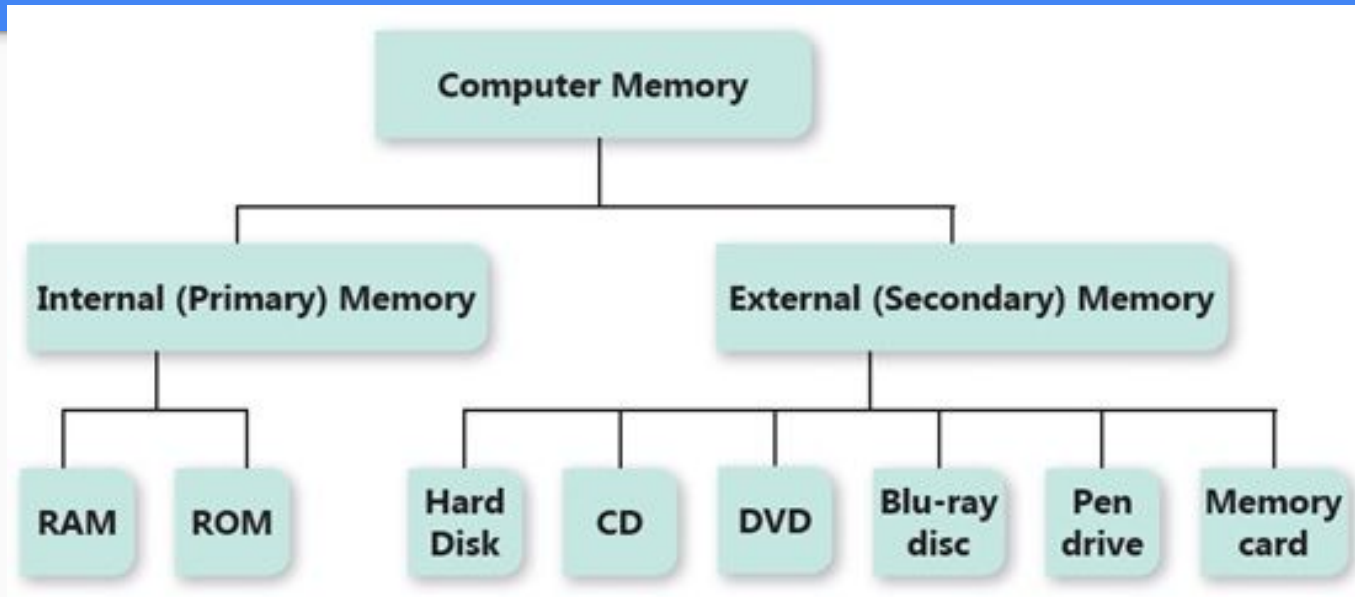
Numbers with
base 8

$(245)_8, (212.57)_8, \dots$

Hexadecimal
Number system

Numbers with
base 16

$(2B)_{16}, (D3F)_{16}, \dots$



Programming

- Set of Instructions written for computer to finish a certain task



All the best for assignments