Sept 21st

Processor Design (Chapter - 4)

STORED PROGRAM

INST → EXECUTE → WR TO REGISTER

OR

WR TO MEMORY

OR
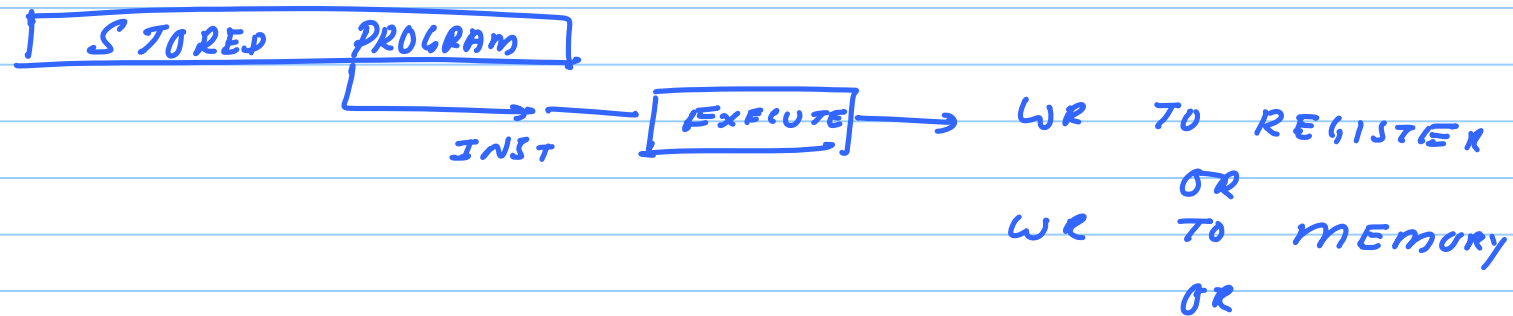
CHANGE PC

Steps in Instruction Processing

(1) Fetch   (Get from Inst. Memory)

(2) a) Decode   (Understand it)

b) Read   Register   File

(3)   Execute $\longrightarrow$ Arithmetic /Logical

$\longrightarrow$ Compute Address

(4) Memory   Access

(5) Write   to   Register. (Write Back)