File Edit View Help

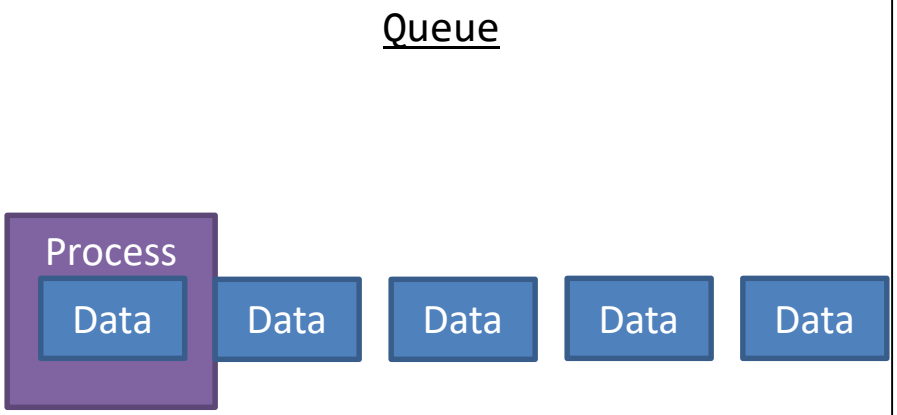
File Edit View Help

Queues
Part 02

File Edit View Help

Queues

- First in First Out (FIFO)
  - Processing Data in Order
  - Time
  - “Waiting in a Line”
- Queue Operations
  - Enqueue: Add new element to the end of the queue
  - Dequeue: Remove the first element from the queue
  - Peek: Observe but not remove the first element in a queue
  - Print: Print all elements in a Queue



File Edit View Help

Example

File Edit View Help

File Edit View Help

File Edit View Help

Secret Time:

File Edit View Help

Secret Time:

Current Time:

File Edit View Help

Secret Time:15

Current Time:15

File Edit View Help

Secret Time:15

Current Time:15

File Edit View Help

5

Secret Time:15

Current Time:15

File Edit View Help

5

Secret Time:15

Current Time:10

File Edit View Help

Secret Time:15

Current Time:10

File Edit View Help

3

Secret Time:15

Current Time:7

File Edit View Help

4

Secret Time:15

Current Time:3

File Edit View Help

2

Secret Time:15

Current Time:1

File Edit View Help

5

Secret Time:15

Current Time:-4

File Edit View Help

5

Secret Time:15

Current Time:-4

File Edit View Help

Secret Time:15

Current Time:-4

File Edit View Help

Secret Time:23

Current Time:23

File Edit View Help

Secret Time:23

Current Time:23

File Edit View Help

File Edit View Help

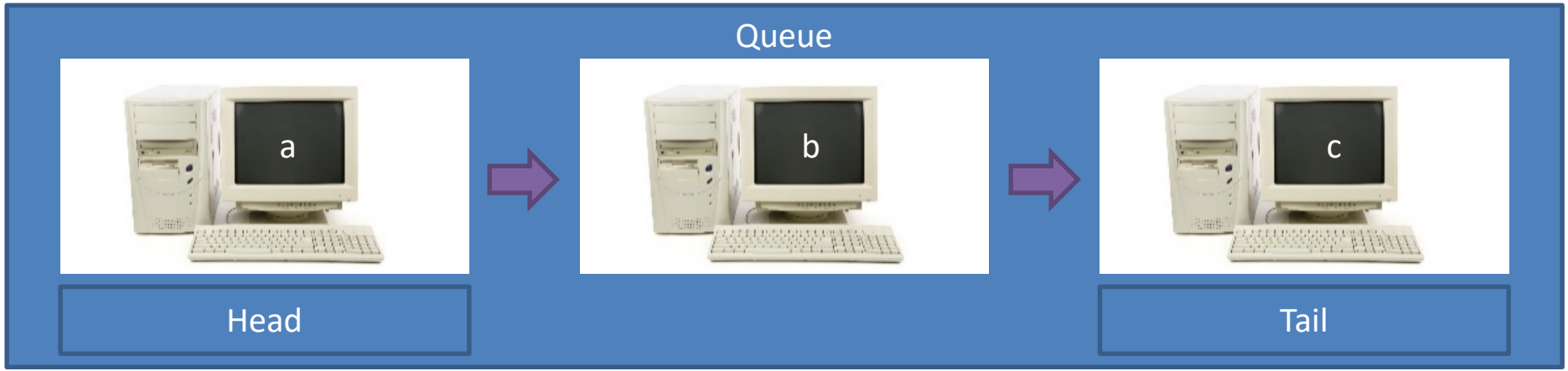
File Edit View Help

Queue

Head

Tail

File Edit View Help

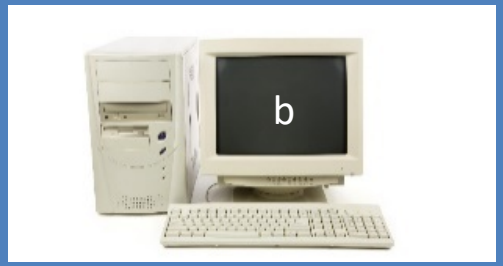


Secret Time:15

Current Time:15

File Edit View Help

Queue



Head

Tail

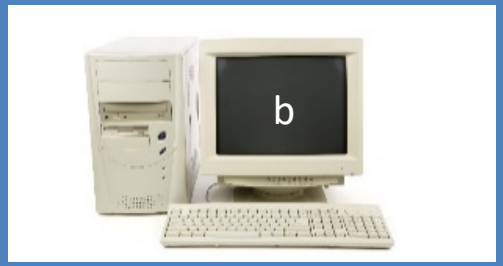
Current Player

Secret Time:15

Current Time:15

File Edit View Help

Queue



Head

Tail

5

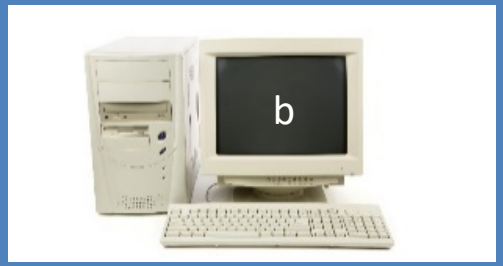
Current Player

Secret Time:15

Current Time:10

File Edit View Help

Queue



Head

Tail

Secret Time:15

Current Time:10

Current Player

File Edit View Help

Queue

Head

Tail

Current Player

Secret Time:15

Current Time:10

File Edit View Help

A Few Turns Later

File Edit View Help

Queue

Head

Tail

5

Current Player

Secret Time:15

Current Time:-4

File Edit View Help

Queue

Head

Tail

Secret Time: 15

Current Time: -4

Current Player