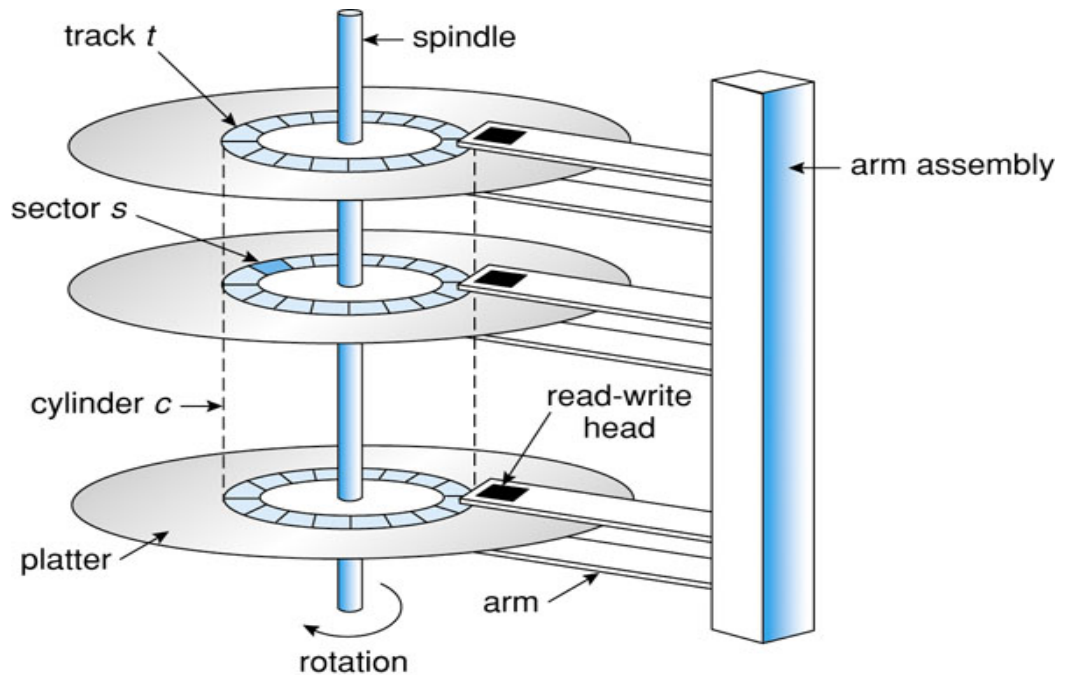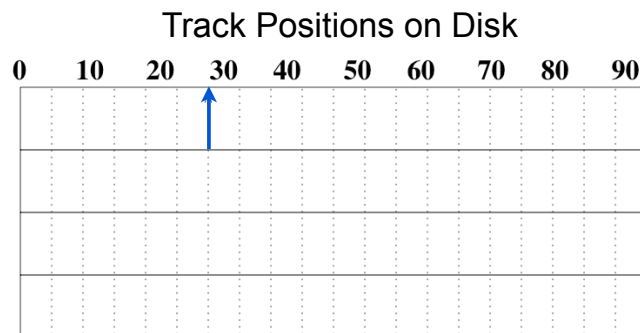# Magnetic Disk Structure

First-Come-First-Serve (FCFS)

Example requests (start at 30): 65, 40, 18, 78

Track Positions on Disk

0   10   20   30   40   50   60   70   80   90

Shortest Seek Time First (SSTF)

Example requests (start at 30): 65, 40, 18, 78

Track Positions on Disk
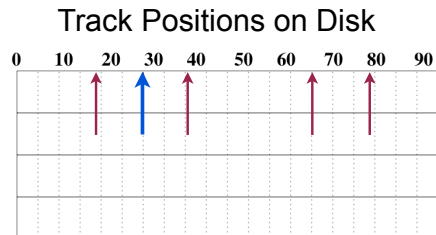
SCAN / LOOK Scheduling

Example requests (start at 30): 65, 40, 18, 78

Track Positions on Disk

Track Positions on Disk
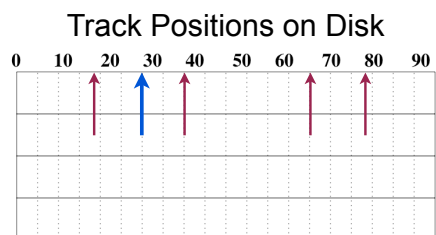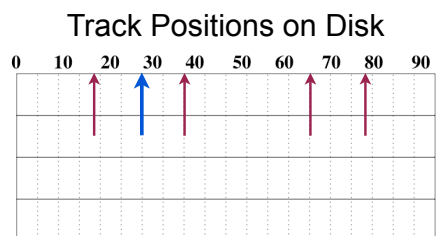
Circular SCAN (C-SCAN)

Example requests (start at 30): 65, 40, 18, 78

Track Positions on Disk

Sean Barker

Magnetic Disk Structure

track *t* — spindle

arm assembly

sector *s*

cylinder *c*

read-write head

platter

arm

rotation

Sean Barker
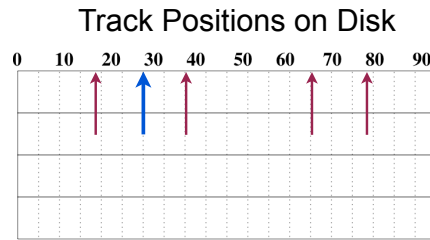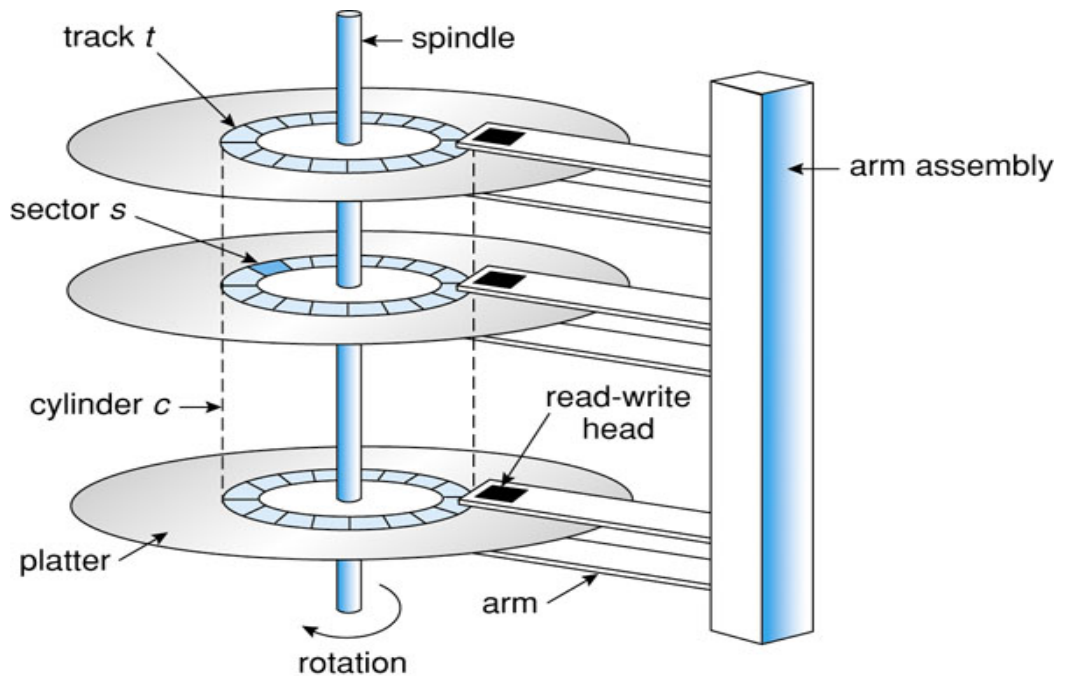
Solid State Drives (SSDs)

HDD

SSD