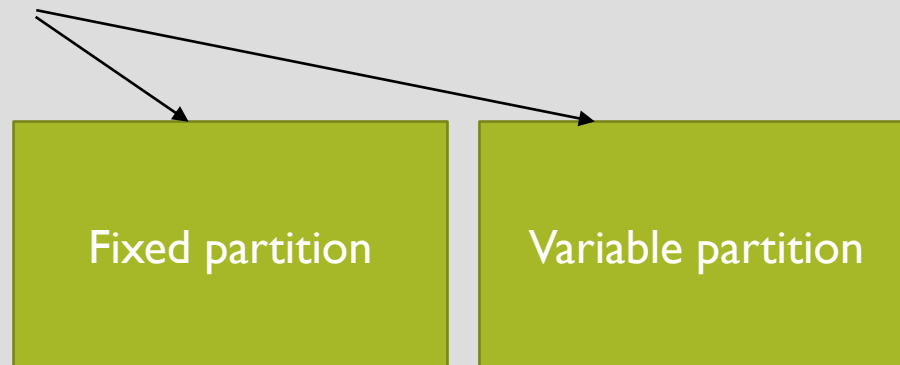# WHAT IS PARTITIONING ?

Cs Academy

Operating system

Lecture 12

WHAT IS PARTITIONING ?

- Certain operating system use partitioned memory management to allow multiprogramming .

- Partitioning means dividing main memory into various sections.

- These section are called as partitions.

- There are two types of partitions:

| Fixed partition | Variable partition |

FIXED PARTITIONS

- In this partitioning , partitions could be of different size. But once decided their size can not be change.

- In this method partitions are fixed at the time of system generation . At this time , system manager has to declear partition time

- Fixed partition are also called static partition . On declearing fixed partition , the operating system create partition description table

- It reduces the uses the CPU utiliisation

- It reduces the degree of multiprogramming

VARIABLE PARTITIONING

- In variable partition number of partition and their size are variable

- They are not defined at the time of system generation

- These partition are created by operating systems at run time they differ in size.

- The procedure to be followed for memory allocation is nearly same as that in case of fixed partition .

THANK YOU

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