_P25	Mitali Shawastau Div: 03 R.No: 375 Ass. No. 4
-	Title: Write a program to stimulate page
	replacement algorithm
	1. FIFO
	2-LRU
	3. Optimal
	Objectives
	- To understand concept of paging.
- 0-	- To understand concept of paging To learn page seplarment algorithms.
	Problem statement:
	Write a program to stimulate page seplacement
	algorithms
	Software Requirements:
	Software Requirements:
	Hardware Requirement:
•	- 4GB RAM, 500 GB HDD
	Theory:
	Paalaat
	Paging:
	Paging is a memory management scheme that permits the physical address space of a process.
	Process.
(6.19)	sized blocks called page frames topical memory
	is divided into fixed size blocky called princes.
91193	Physical memory is divided the fined- sized blocks called page frames logical memory is divided into fined size blocks called pages. When a process is to be enecoted, its
- al As	Pages can be loaded into any frames.

Consider sine of logical address space is om. Now, a page of size om, n will specify page number. How a logical address is translated into a physical address: In paging, address translation is poror Table. The 08 maintains a page table for each process to know track is allocated to which page. page frame If stores trame number allocated to each page 4 page number is used as to page table. physical addical add x 55 food ... 000 CPU Physical memory page table fie paging. In Fint Out: simplest, the as system queue oldest page is in tront of queue. When a page needs to be seplaced page in

front or queve is selected for removal. eg: Consider string 1,3,0,3,5,6,3 with 3 trames. find no of taults 1,3,0,3,5,6,3 Page reference 3 0 3 Miss Page taults = 6. LRU: · Replaces page that has not been setesenced for the longest time in past.
· Permorms nearly and optimal policy. 7012030 4290321201701 deterence shing 205042 30 701 32 1 20

