25+2

CS 564, Spring 2017: Quiz #1

You ha	we 30 minutes to finis	sh this quiz. The to	tal number	of points on this quiz is 30.	
NAME: Kirthan	aa Raghuran	<u>ran</u>	UW ID: _	praghusaman / 9073422751	
Q1 [4 points]: Give	an example of an acc	ess pattern where	MRU is a bo	etter replacement policy than LRU	
Convider Lize 4 as So, when we i will be a lot bignificantly	a huffer po follows: the LRV here of Hos. wh Reduced.	1,2,3,4 2, all the	emes an Que of the pages of MA	epecated Scan from Stoot Face throughed and hence there	ĺ
that the innermost tra	ack is labeled as track file on an empty disk	x #0, and that the o	outermost tra	platter, and one hundred tracks. Assume ack is labeled as track #99. If you have to ad sequentially often, which track would	
To mark to	use the oute	amost tha	ck for	The following reasons.	
1) 9t hastne lot of data 2) The neek to the lowert 3) 9 can been	me Cassumin for the jule light & on which	a the read demost that its large h	amon werte h ck. dolint	The following reasons: g all tracks a hence can store near the rame track head is at rest initially) will t fit in one track) in track to apacities in decreasing order	20078
Q3 [5 points]: In a typical slotted page organization, a record id is a pair (page#, slot#). A friend of yours suggests changing the record id, replacing the slot# in the record id by the offset to the first byte of the record from the start of the page. Thus, a record id would be a pair (page#, offset). Recall that this offset information is what is stored in the slot directory. Now assuming that the number of bytes needed to represent a slot# is the same as the offset, do you think this suggestion is a good idea? Explain your answer.					
Your answer:	□ Yes	□No			
Explain your answer: Alcuming heard id it reastanged second idis However, could be a	the record a bad i'dea and com as offset your record i'dea	is NOT re as if he repacted => will chan be are wer as it be	cords ? This l nge, ite-on	y, using (page # , offget) as grow/ shrink, they may be leads to a change in the ce and readonly, this equivalent to (page #, blot #	*
Acres 1					

