

SCHOOL OF COMPUTER SCIENCE

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[User:a1779153 - Student - Vandit Jyotindra Gajjar][Thu 22 Oct 2020 05:46:59pm Australia/Adelaide]

Navigation Make Submission View Feedback Status Help

Selected Assignment -> 2020/Semester 2/Operating Systems/Programming Assignment 2

Assignment Repository to be Submitted:

https://version-control.adelaide.edu.au/svn/a1779153/2020/s2/os/assignment2

Choose a submission from the "Submission" column to view the test script output and any associated marks. The selected "Submission" item is highlighted in **red**. If available, "Helpful Hints" or "Feedback" can be chosen too. All the items in the "Submission" column are listed with the most recent first. If the assignment deadline is known to the Web Submission system, this will be indicated in the Submissions column too.

Submission	Feedback						
Due Date Oct 22 17:45 r702(16) Oct 22 17:08 r701(14)	Due Date: Oct 22 23:30 Final Assignment Mark: 16						
Oct 18 18:35 r699(12) Oct 13 18:04 r646(10)	View Feedback in the Practical Marker						
000 13 10.0 110 10(10)	Assignment Repository Submitted: https://version-control.adelaide.edu.au/svn/a1779153/2020/s2/os/assignment2/?p=702						
	Submitted: Oct 22 17:45.54 Resubmitted: Oct 22 17:46.41 Status: Finished execution						
	Marks at: Oct 22 17:46.41						
	Part Marks Maximum						
	1 2						
	2						
	3 2						
	4 2						
	5 2						

```
2
     6
                      2
     7
                      2
     9
                     16
                                     20
Total Marks
```

Output at: Oct 22 17:46.41

```
SVN Exported revision 702.
running test script....
Test FIFO 1:
Test1 test:
./PageReplacement input.txt 4096 4 FIFO
Comparing output....
Testing successful; 2 marks
Test FIFO 2:
Test2 test:
./PageReplacement input.txt 2048 10 FIFO
Comparing output....
Testing successful; 2 marks
Test LRU 1:
Test3 test:
./PageReplacement input.txt 4096 4 LRU
Comparing output....
Testing successful; 2 marks
Test LRU 2:
Test4 test:
./PageReplacement input.txt 2048 10 LRU
Comparing output....
Testing successful; 2 marks
Test ARB 1:
Test5 test:
./PageReplacement input.txt 4096 4 ARB 1 1
Comparing output....
Testing successful; 2 marks
Test ARB 2:
Test6 test:
./PageReplacement input.txt 4096 10 ARB 6 12
Comparing output....
Testing successful; 2 marks
Test WSARB-1 1:
Test7 test:
```

```
./PageReplacement input.txt 1024 5 WSARB-1 4 3 4
Comparing output....
Testing successful; 2 marks
Test WSARB-1 2:
Test8 test:
./PageReplacement input.txt 512 60 WSARB-1 6 8 60
Comparing output....
Testing failed, see differences below
Correct flow output
events in trace: 440
total disk reads: 235
total disk writes: 125
page faults: 235
err file:
Your flow output
events in trace: 440
total disk reads: 238
total disk writes: 126
page faults: 238
input file:
# codeblocks
R 0000bd5c
W 00007480
R 00005b4c
W 00009031
W 0000dcea
W 00001a56
R 000071bc
W 0000242a
R 0000cff0
W 00008acb
W 00009977
W 000089dd
W 0000b406
W 0000d95f
W 00009b38
R 0000e06a
W 00001348
W 00007044
W 00003f13
R 000020f7
R 000020b5
R 0000748d
R 00004e28
R 0000d061
R 00003445
W 0000a779
W 00007bf3
W 00008a50
R 00003465
```

W	0000d2d3
W	00001775
R	0000ef36
R	00002d42
R	00005aba
R	00003df9
W	0000c659
R	00009a10
R	0000dff0
W	0000832c
W	000031fe
W	00009188
R	0000b411
W	0000ba8c
R	00008997
W	0000efc1
W	000014c0
R	00007a30
R	0000db7e
R	0000496c
W	000014ea
R	000089b4
R	000076e3
R	00000b03
W	0000306a
W	00003e89
W	0000eafc
W	0000b4e7
W	00008ef6
W	000056c6
W	0000799e
W	00008111
R	0000cf5c
M	0000a708
R	000090c8
R	0000edca
M	000052ce
R	0000f711
R	0000bd70
W	00002a12
R	0000fb2c
W	00008a14
R	00004961
R	000060f7
M	000073fe
W	000080e9
W	000009e3
W	00002bf3
R	0000379a
R	00001090
R	0000a7b9
W	0000e26c
W	00009d47
R	000099b8

R	0000bc45	
R	0000c665	
N	0000e0e9	
	000048ba	
R	0000731b	
R	0000154d	
N	00000894	
N	0000f146	
R	0000b469	
R	00000d6b	
N	0000a2ac	
R	00005d39	
R	0000093a	
R	000009f4	
N	00005f4c	
	00002c68	
	0000e2a8	
R	00008dcb	
R	00006b09	
N	0000eafd	
R	0000e2e2	
R	000074ad	
	00002bfc	
	0000d419	
M	000080a8	
M	0000063f	
V	00002d50	
R	0000474e	
R	00001000	
R	00004d05	
M	0000fd7a	
M	00000ab4	
M	0000e664	
R	000068db	
	00001c71	
R	00003594	
	00000387	
M	0000e879 00000827	
R	00000827 00008d45	
	00000a43	
	0000a641	
W		
	00008ac1	
R R	0000afa1 00006208	
K W	00006208	
	0000c000 0000fbb3	
w R	00001663	
r R	00003411 0000a987	
	0000a367	
r R	0000a194 00002a42	
	00002a42	
	00000d124	
rv R	000075a3	
L /	000070a0	

W	00008311
R	0000bbb5
R	0000d7a2
W	0000df8f
W	00008762
R	0000d907
R	00008059
	0000f4ca
	0000c707
W	0000a492
W	0000caa3
W	00004065
	00008d7d
	00008ca5
	000041e4
	00007ec0
	00000dba
R	00008f0f
	0000771f
	00007711
R	000085e6
	00006d83
	000093b5
	0000bdcb
	00000241
	0000989a
	000052f3
	00009a62
	00004b0f
	0000daea
	0000aa7e 00009742
R	0000e74e
W	0000d753 00002752
	00005f03
	00005e4c 00000544
	00000344 000063fa
	0000031a
R	00002117
W	00002117 00007c27
R	00007c27
W	0000cce0
R	00006475
W	00000173
	000013f2
	00001312
W	00002a01
	00007f05
W	00005b2c
	000015f7
	0000d89c
W	00003e59

W 00006034 R 00004b34 W 000019c3 R 0000d4bc W 00001a4a R 0000fd54 R 00008a6b W 0000bfae R 0000bfd8 R 0000356e W 00002fb6 W 00002567 W 0000df33 R 00002ead W 0000e8cb R 0000ff55 W 000077d2 W 0000642d W 0000baaf W 000051cf R 00009d75 R 0000747d R 00005412 R 0000f8b1 W 00006df1 R 0000d6d9 W 0000c223 W 0000aac2 W 000067b7 W 0000261d R 00007356 R 000013ae R 0000fae1 W 00006c82 R 0000f85b W 0000ed6f R 0000e6d3 W 0000240c R 0000dcdb W 0000a192 W 000072bc W 0000baa1 R 00004f01 R 0000d36e R 00008bc5 R 00009083 R 0000ba47 W 0000121b W 0000bf2c W 0000494a W 00004220 R 00009a81 W 0000ac7f W 0000e050 R 00008bba W 0000ce11 R 000085bb R 0000340b W 0000d514 R 0000535a W 000013ec W 000069c7 R 00004fff R 000052e5 W 00003235 W 00007aac R 0000dd7b R 00005131 R 0000d58c W 00002271 W 000054a8 W 00001f3b R 0000889f W 00003456 W 0000d3b5 R 00000827 W 00009cd3 R 0000744a W 00000279 R 0000bd60 W 0000cd77 W 000077b9 R 000042b1 R 0000f8a3 W 0000a351 W 00007cae R 0000daa4 W 0000db88 R 00006c71 W 0000d167 R 0000918e W 000056ff R 0000cce6 W 0000f3c7 W 00001d78 W 0000450a R 000043ec R 00001180 R 0000ccda R 0000e95a R 00000bd7 W 0000cc8c R 000051a3 W 0000c4f4 R 0000f01c R 00003a39 W 00003900 W 00004ddc

W	000031ad
R	00008987
W	0000d6de
W	000071da
R	00002d43
R	000057b2
W	0000455f
W R	000097c2 0000af47
W	0000a147
W	000071e3
R	00005210
R	0000549a
$\overline{\mathbb{W}}$	0000c3a9
$\overline{\mathbb{W}}$	0000834d
R	00001490
W	0000391a
R	0000bf8d
M	0000c235
R W	000072f1 00005ae9
W	00003ae3
W	00005546
W	0000a1e2
R	0000de00
$\overline{\mathbb{W}}$	0000c75c
W	0000013e
R	0000a755
W R	00000ae4 0000de2b
R	00000de2b
R	00002d07
W	000098ac
R	000056da
\mathbb{W}	00006b64
W	000061e8
R	0000e94d
R	0000df7d 000016eb
R R	00001665
W	00003062
W	000050f3
R	0000b210
$\overline{\mathbb{W}}$	0000bde3
R	00004403
W	0000280a
R	0000bd31
W	00001670 0000fbc1
R W	00001bC1
W	00002d32
R	00003483
R	00003ec6
W	0000375a

W	0								
R	0	0	0	0	е	6	7	7	
W	0	0	0	0	6	9	d	а	
R					d				
R					f				
W	0	0	0	0	d	е	7	2	
R					е				
W	0								
W					3				
W					С				
R	0								
W					С				
R	0								
W	0	0	0	0	d	а	3	1	
W					а				
W	0								
R	0	0	0	0	7	b	0	4	
R	0	0	0	0	7	1	5	С	
R	0								
R	0								
R					0				
W	0								
R	0								
R	0								
W					2				
R					5				
R	0	0	0	0	2	7	8	9	
R	0								
W	0								
R	0								
R					e				
W					7				
R	0								
R					e				
R	0								
W	0								
W	0	0	0	0	3	0	е	C	
R	0								
W	0								
R	0								
R									
R	0								
W					С				
W					c e				
W									
W					f				
R	0								
R					6 h				
R R					b 7				
k W					78				
w R					ŏ d				
k R	0								
k W					ю 4				
VV	U	U	U	U	4	Q	Q	Τ	

```
W 0000ea36
W 00009ecd
R 0000c518
W 0000b6be
R 0000a9a0
R 0000b443
W 0000clef
W 00003850
W 0000ecbf
R 0000caa7
W 0000112b
W 0000e653
W 00009fa7
R 00001a67
R 0000c567
R 0000b3e5
R 000076ca
W 0000d873
W 00000caa
W 00008cdf
W 00008b8e
R 0000c95a
W 0000f25b
R 0000794e
R 00000f8a
W 0000b358
R 000080d0
W 0000fc84
W 0000739d
W 00005489
R 0000491c
R 0000b770
W 00009906
Can not show the Details on the web page. Detail file is too large.
Test WSARB-2 1:
Test9 test:
./PageReplacement input.txt 1024 5 WSARB-2 4 3 4
Comparing output....
Testing successful; 2 marks
Test WSARB 2 2:
Test10 test:
./PageReplacement input.txt 512 60 WSARB-2 6 8 60
Comparing output....
Testing failed, see differences below
Correct flow output
events in trace: 620
total disk reads: 349
total disk writes: 187
```

```
page faults:
                    349
err file:
Your flow output
events in trace: 620
total disk reads: 348
total disk writes: 183
page faults: 348
input file:
# photoshop
W 000035f3
W 0000c607
R 0000ddf5
W 0000f671
W 00000255
R 0000f60c
W 00001020
W 0000ed9e
R 00004b13
R 0000836f
R 0000bf61
R 0000e0be
R 000080ca
R 000008d9
W 00001d22
W 00003a49
W 0000858e
R 0000dd68
W 000020bf
R 0000cf39
R 0000ab6c
W 00007f8b
W 000013ea
W 000047ea
W 0000acf5
W 000091ac
W 00003669
W 0000302b
W 0000bde9
W 0000fdee
W 0000d84c
W 0000f5fa
R 0000ad80
R 0000b36e
W 000019cf
W 00003e01
R 00008e4c
R 00002bf1
W 00001b2a
W 000085ee
W 0000dfd9
R 00000cd0
```

W 000098be R 00005005 W 000056c8 R 00007065 W 000093e6 R 0000d69a W 000063f2 W 00004714 R 0000293e W 00003529 W 000013ef W 0000ac03 R 00007aa6 R 0000ba3d R 00000f83 R 0000963b R 0000ec3c R 0000c78c R 0000f349 R 00000444 W 0000341b W 0000f4d2 R 0000d1c0 W 00008d41 W 0000f0d3 W 000074db R 0000fec0 W 00003fe0 W 0000ee2a R 000003b4 R 00005342 W 0000d9ba R 0000393f W 0000c28a R 0000a80c W 0000fc6a W 0000af4e W 0000bba6 W 0000f9f2 R 00008ea1 W 0000db1d W 00004c4a W 00005469 R 000085d2 W 00003152 W 0000da28 W 0000b56c R 0000e1f2 W 0000670c R 00002450 W 00001386 W 0000c3fe W 0000b901 W 00003f62

W	0	0	0	0	2	8	8	2	
R	0								
R	0								
W	0								
R	0								
R	0								
R	0								
W	0								
W	0								
R	0								
R	0								
W	0								
W	0								
W	0								
W	0								
R	0								
W	0	0	0	0	5	е	7	1	
R	0								
W	0								
W	0								
W	0								
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R	0								
R	0								
R	0								
W	0								
W	0								
W	0								
W	0								
R	0								
R	0								
R	0								
W	0								
R	0								
W	0								
W	0								
W	0								
R W	0								
w R	0							d	
	0								
W									
						98			
W						0			
W						9			
R w	0								
W R						4 5			
r R						о 8			
r R	0								
K W						0			
W	0								
w R	0								
W						э 3			
v v	U	U	U	U	J	J	_	_	

W	0000113d
R	000031cc
R	000070c3
R	0000e019
R	00008bd3
R	00007cb6
W	000067da
W	00003d6f
W	0000269e
W	00009cab
W	0000e30c
R	00008323
W	0000da0a
R	00005d1b
R	0000bd34
R	0000ce86
M	0000e5ce
M	00002744
R	0000d14d
R	0000839a
R	000065c9
M	00008570
R	00000e1c
M	00002e46
R	0000e343
R	00000b39
W	00002fae
R	000046eb
R	0000ac5b
R	00002d76
W	0000946d
W	00006d3a
W	00008c63
R	0000f70d
R	000067eb
R	00007dfe
W	00002788
W	0000fe22
R	00009b40
R	0000ef5e
R	00007536
R	00005de4
W	00001629
R	000079ca
W	00005369
W	00004829
R	0000e1b1
W	0000c64a 0000fb01
R M	00001b01
W	
W	00009060
W	0000a41c
R	00008bf3
R	00006f3a

W 0000d95e R 0000ac38 W 0000617d W 00001762 W 00004ae3 R 0000b9de W 00007bcc W 0000666a R 0000d0f5 W 00001647 R 00008b36 R 0000117e W 0000a5b6 W 00004c7a R 00005875 W 00004639 W 0000b18e W 00006f9d R 00008733 W 0000589c R 000002a7 W 00007bda R 0000a652 R 0000d846 W 00002ec5 R 00009aa2 W 0000c297 W 00000e5d W 000097ff W 00003c17 R 00006902 W 00002b9c W 00000909 R 000099ee R 000078d6 W 00006a37 W 00005db5 W 0000a8a3 R 000084d8 W 0000d17c R 0000d38b R 0000f142 W 00005760 R 00006a40 R 00009826 R 0000f426 R 0000243a W 0000d901 W 00009720 W 0000e623 R 00000cf2 R 0000f161 R 000063ca W 0000b76b

W	0	0	0	0	1	5	0	3	
W	0	0	0	0	7	2	b	9	
W	0								
W	0	0	0	0	3	0	d	а	
W						0			
R	0								
W	0								
R						2			
R	0								
R	0								
W	0	0	0	0	0	3	4	5	
R	0								
R	0								
R	0								
R	0								
R	0								
W	0								
R	0								
R	0								
R	0								
W	0								
R	0								
W	0								
R	0								
W	0								
R	0								
R	0	0	0	0	b	a	C	0	
W	0	0	0	0	d	9	f	5	
R	0								
R	0								
R	0								
W	0								
R	0								
R	0								
R	0								
R	0								
W	0								
W	0								
W	0								
W	0								
	0								
vv R						C			
R	0								
R	0								
M						4			
R	0								
W	0								
W	0								
R	0								
R	0								
R	0								
M	0								
R						2			
	_	_	_	_	_	_	_	1	

M	00006ae8	
M	00005e64	
N	00006568	
N	0000ac82	
N	00001f5c	
N	00005d36	
R	0000fdcd	
N	0000b231	
R	0000c8c2	
R	0000dcc5	
R	000036d8	
R	0000ee02	
R	0000211e	
R	00006919 00007533	
N	00007533	
	00003030	
	000023bf	
R	0000eeae	
R	0000e010	
R	0000f670	
R	00002855	
M	0000d9c0	
	000012cd	
	00008b02	
M	00000191	
V	0000707e	
	0000719d	
R	00004af0	
	000082d5	
M	0000fdaf	
R	00003f1c	
R	00002309	
M	0000112a	
R	00009f88	
	0000211f	
R	00000e3a	
	00003dc4 0000c6cd	
w R	00000ee10	
	0000ee10	
	00001987	
	00007939 0000997c	
n R	00005970	
R	00005011 0000beb7	
W	0000beb7	
R	00000055c	
R	00002B14	
W	000012D4	
R	00009444C	
R	0000e509	
R	0000b425	
R	000087b7	
	0000d949	
W	0000d313	

	00005caf	
	0000ddbd	
	000079b9	
	0000c157	
	0000752b	
R	0000faba	
R	00005faf	
R	00000ccb	
	0000323e	
R	00001ad6	
	00006e78	
	00005840	
	0000252c	
W	00000c1c	
	0000bf9e	
	00005f83	
	0000a941	
	0000d6a1	
	0000c3ce	
	00001fb3	
	00002ebc	
	000091c1	
	00002ce6	
	0000044a	
	0000b697	
	00008944	
	0000f6aa	
	00007344	
	00008616	
	0000e612	
	00006d7f	
	0000c8e0	
	0000af24	
	00005cd9	
	00002163	
	000032e4	
	0000fb26	
	00007225	
	0000ef11	
	0000b6f9	
	0000fb06 00008917	
R	00005697	
	00003ee6	
W	00000421	
W	00006db5	
R w	0000a51b	
	00000341 0000270b	
R		
	0000cfda 00000a93	
	00000a93	
	0000199a 0000f530	
	00001530 0000e133	
R	oooue133	

R	00	0	0	е	5	9	е	
W	00	0	0	8	b	0	5	
W	00							
R	00							
R	00							
R	00							
W	00	0	0	8	е	а	1	
W	00							
R	00							
W	00							
R	00							
W	00							
W	00							
R	00							
R	00							
W	00							
R	00							
R	00							
W	00							
W	00	0	0	6	1	9	5	
R	00	0	0	3	3	4	е	
W	00							
W	00							
R	00							
R	00							
W	00							
R	00							
R	00							
R	00							
R	00							
R	00	0	0	2	С	C	U	
R	00							
W	00							
R	00							
R	00							
W	00							
W	00							
R	00							
W	00							
R W	00	10	0	3 0	D L	4	6	
	00							
W	00							
W R	00							
r R	00							
r R	00	10	0	a	1	7	3	
r R	00		0	7	7	0	7	
r R	00							
W	00							
w R	00							
r R	00							
r R	00							
W	00							
v V	UU	U	U	J	U	U	C	

W 00004e7b W 00006f4d R 00004f8e W 00002583 W 00004f71 W 0000f7e5 W 0000d944 W 00001a45 R 00004a7c R 00004fdc R 00000018 W 00004782 R 0000ef52 W 0000a3ef W 0000633d R 0000b1f9 W 000019d2 W 0000e787 W 0000459a W 0000c4aa W 00003076 W 000072e6 W 0000b748 W 0000670e R 0000a333 W 0000af14 R 000058ac R 00008306 W 0000b200 R 0000961a R 0000f472 W 00004c66 W 00000b9b W 000073a8 W 000033b3 W 00006c97 R 0000e7a5 W 00001a68 R 000078b0 W 0000276c W 00000f3b R 000061e0 W 00005e0f W 000091df W 0000d618 R 00005aeb R 0000db50 W 00007786 W 00001b51 R 00008bb6 R 00004316 R 00007b65 R 0000d322 W 00009aa1

R	000013b6
R	00005ff1
W	0000a58b
W	0000426b
R	0000d8bf
R	0000e849
W	00004acf
W	00001500
R	00005abd
W	0000728d
W	00000a5b
W	0000f914
R	0000b8d7
R	0000e8de
W	0000333e
R	00009521
W	0000f1d4
R	00007458
R	00008305
W	00008335
W	0000c840
W	000049c7
R	0000f6bd
W	000074fc
R	00007407
W	0000b0ce
W	0000dbe1
W	00005641
M	0000e139
R	0000e02d
R	0000e41e
R	0000a9c7
R	0000143f
R	0000e4c2
R	0000907c
M	00005b97
R	000055d6
R	000091d5
R	000056c8
R	000026ae
R	00000787
R	00001cfa
W	00007094
R	0000dd7a
R	0000f09c
R	0000fef9
W	00007a40
W	000081e7
R	00001fca
W	0000271a
R	0000392c
W	0000ab49
W	000011f5
W	00000e2e

```
W 0000e04a
R 00008d29
W 00004c06
W 0000604a
R 00009bb8
R 0000c9ee
W 00004d78
W 00002044
W 0000b86c
R 0000f2e3
R 00008d73
W 00007fe6
R 00006abd
R 00002f37
W 0000c2b2
R 00009108
W 0000c023
R 00007b36
W 00001cbc
W 0000df90
R 0000cd88
W 00007117
W 000064a8
W 0000ef21
W 0000331e
W 0000bce4
R 0000409d
R 000094aa
W 000030fd
R 00007b79
W 0000dd0e
W 0000f97e
W 000042ed
W 00006630
R 0000f40e
W 000085d0
W 0000adca
W 0000795f
Can not show the Details on the web page. Detail file is too large.
```

SVN Log:

```
r702 | a1779153 | 2020-10-22 17:45:41 +1030 (Thu, 22 Oct 2020) | 1 line Changed paths:

M /2020/s2/os/assignment2/PageReplacement.cpp
M /2020/s2/os/assignment2/utilities.h

Removing some headers for improvement in performance
```

```
r701 | a1779153 | 2020-10-22 17:08:05 +1030 (Thu, 22 Oct 2020) | 1 line
Changed paths:
   M /2020/s2/os/assignment2/PageReplacement.cpp
  A /2020/s2/os/assignment2/utilities.h
Adding WSARB-1 implementation and submitting for the test cases result
r700 | a1779153 | 2020-10-22 17:06:42 +1030 (Thu, 22 Oct 2020) | 1 line
Changed paths:
   D /2020/s2/os/assignment2/PageReplacement.h
Changing the file name
r699 | a1779153 | 2020-10-18 18:35:11 +1030 (Sun, 18 Oct 2020) | 1 line
Changed paths:
   M /2020/s2/os/assignment2/PageReplacement.cpp
  M /2020/s2/os/assignment2/PageReplacement.h
Updating the codebase for test checks
r646 | a1779153 | 2020-10-13 18:04:42 +1030 (Tue, 13 Oct 2020) | 1 line
Changed paths:
   A /2020/s2/os/assignment2/PageReplacement.cpp
   A /2020/s2/os/assignment2/PageReplacement.h
Initial Commit for Checkup of FIFO, LRU, and ARB
r645 | a1779153 | 2020-10-13 18:02:27 +1030 (Tue, 13 Oct 2020) | 1 line
Changed paths:
  A /2020/s2/os/assignment2
Creating Directory for Assignment - 2
```

Authorised by: Head of School, School of Computer Science

Maintained by: School of Computer Science

Last Updated: 8 Feb 2020

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