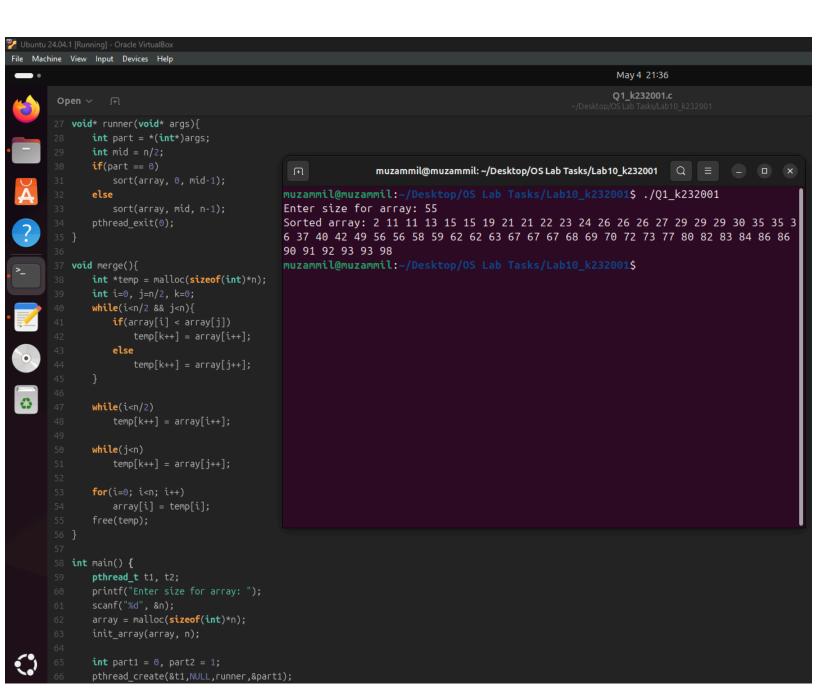
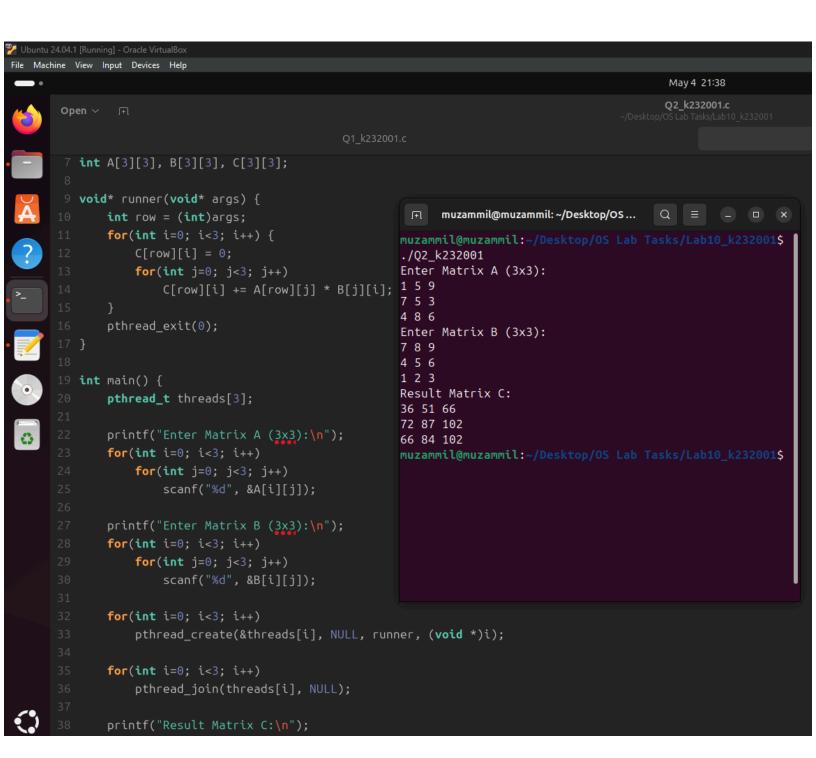
Operating Systems

LAB#11

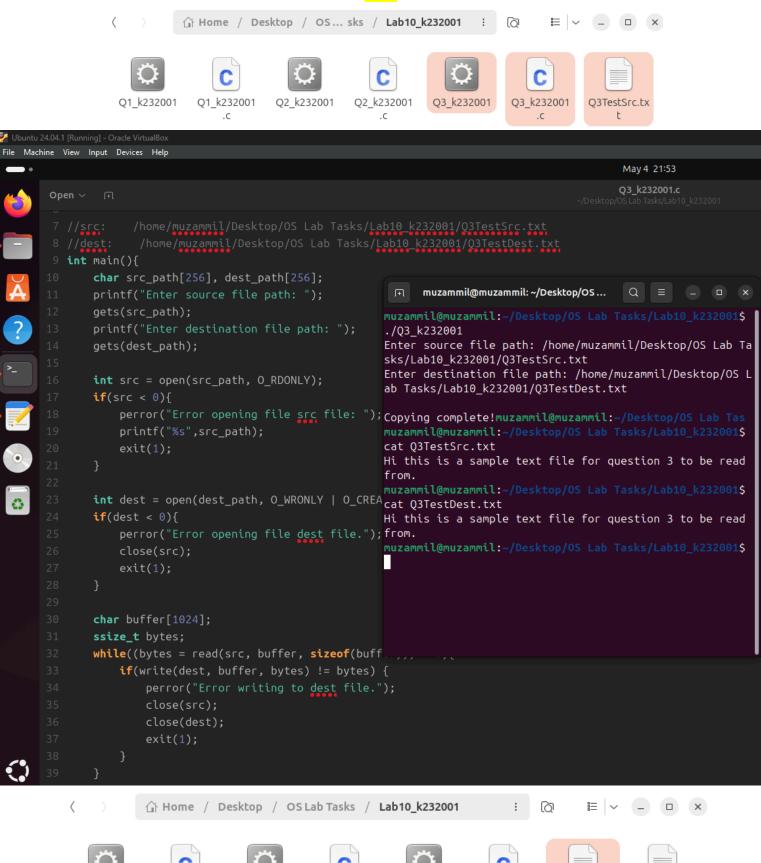


23K-2001 BCS-4J









Q1_k232001

Q1 k232001

.c

Q2_k232001

Q2 k232001

.c

Q3_k232001

Q3_k232001

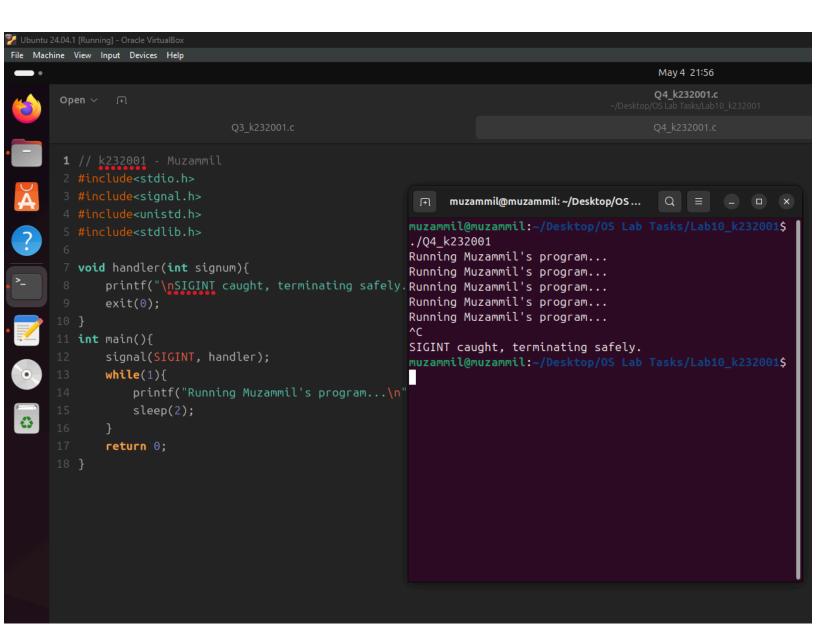
.c

Q3TestDest.

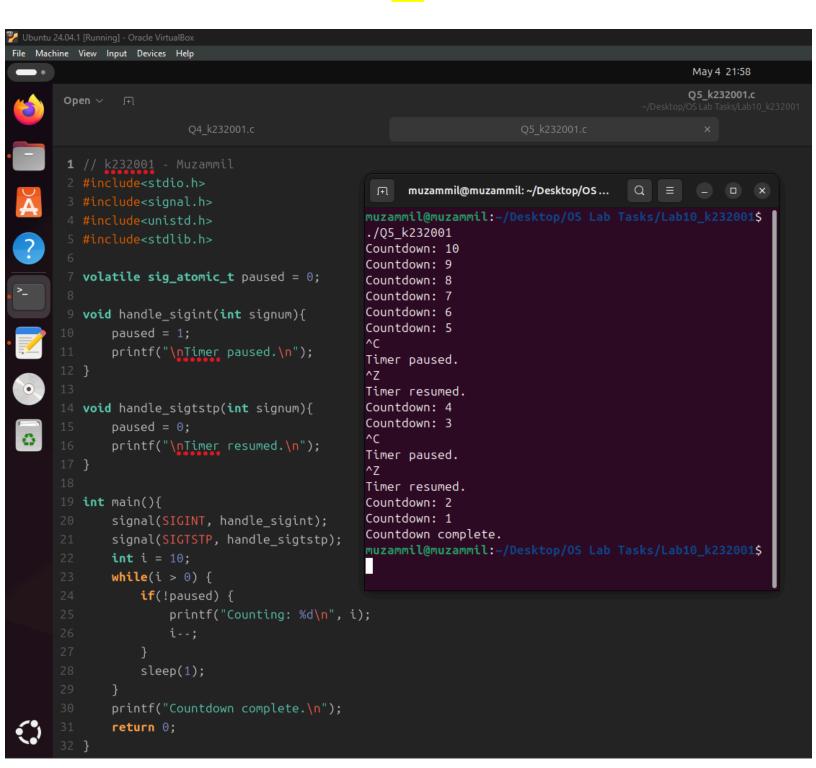
txt

Q3TestSrc.tx

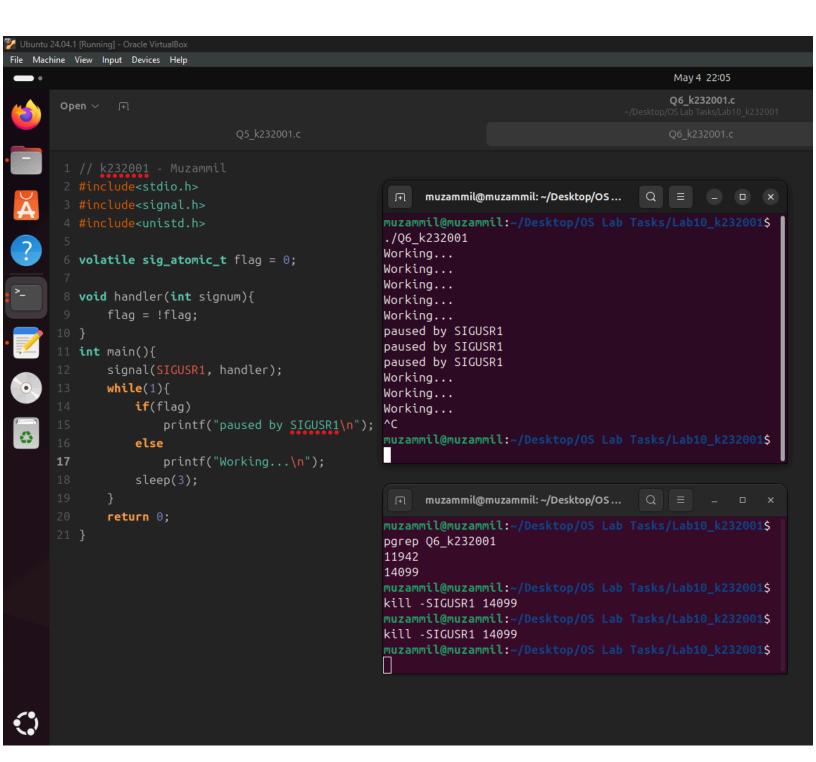
t

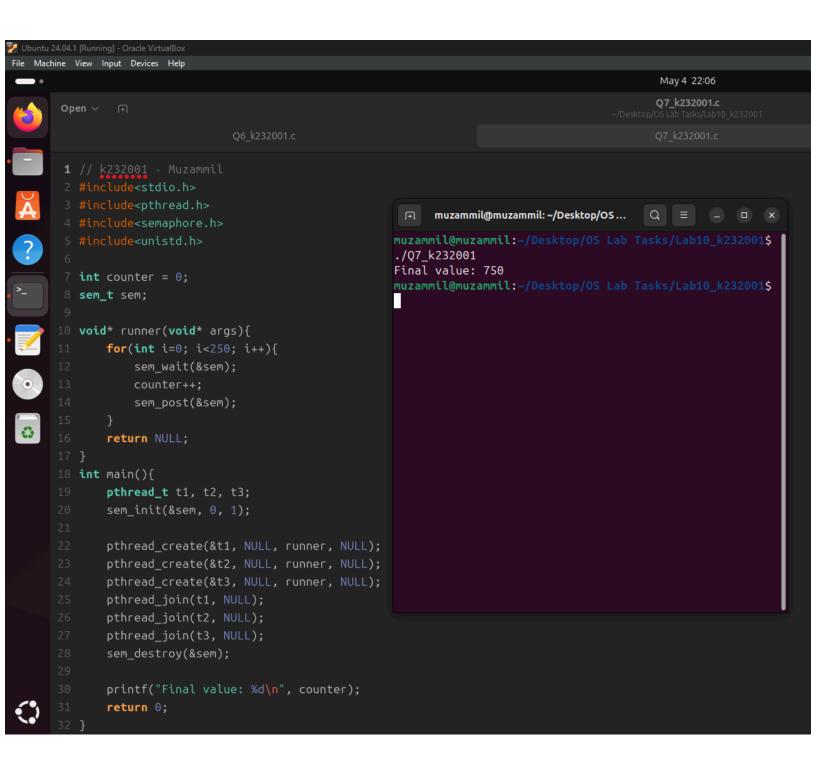


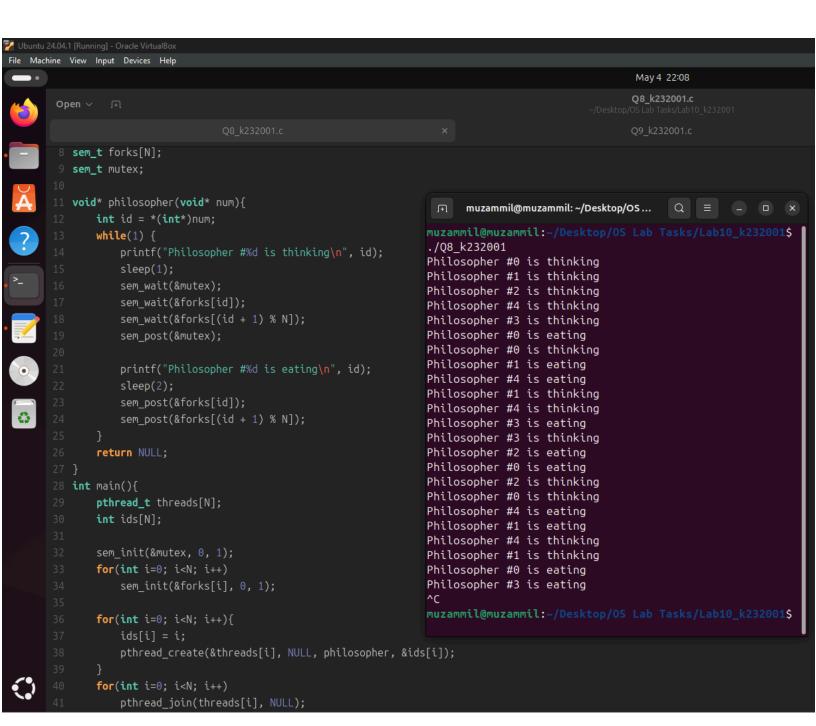
Q5:



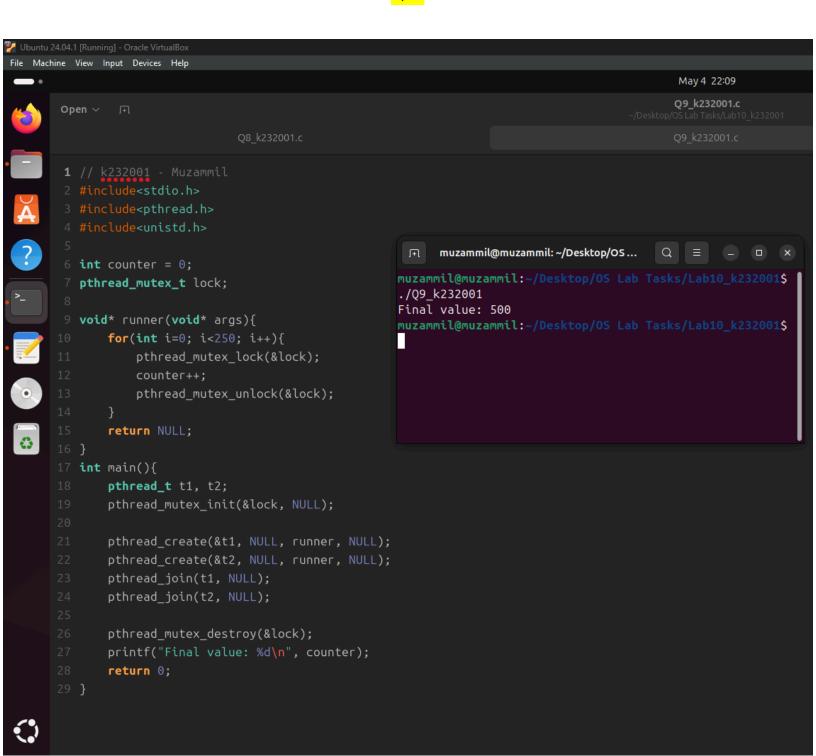
Q6:



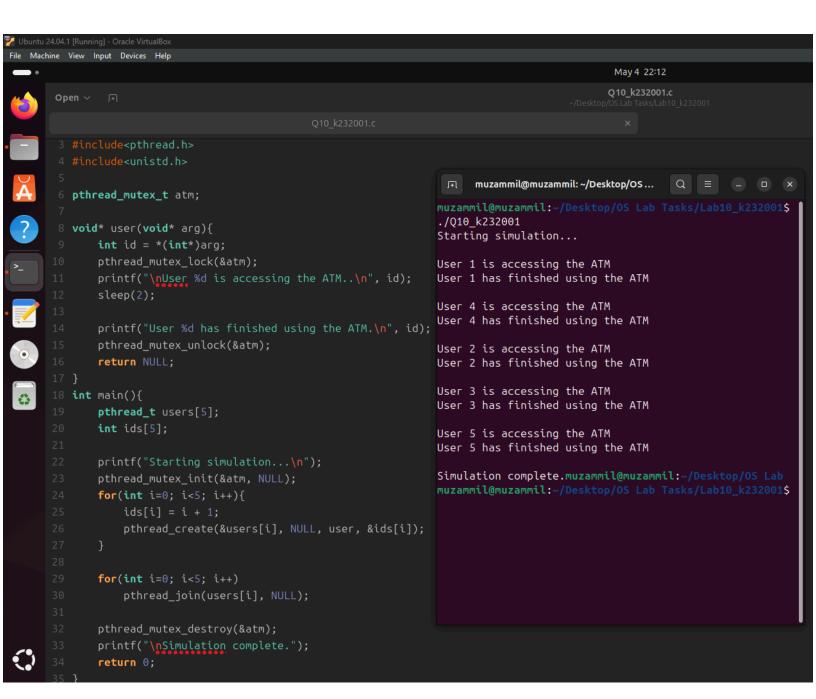




<mark>Q9</mark>:



Q10:



Scheduling Algorithm Tasks

Task01:

			23k-2001				
OS Lo	610:	Schedul	ing Alg	orithm ?	Date:		
			lasi	<5			
	Tas	k01: F0	CFS				
Process #	Arrival time	Burst time	Start time	Completion time	Turnaround time	Whiting time	
P1	0	5	0	5	5	0	
P2		3	5	8	7	4	
P3	2	8	8	16	14	6	
PY	3	6	16	22	19	13	
- Gantt (hort:						
1	P1		P3		P4		
0	5 8 16			22			
	1.4						
Avg. turna	waved tim	= 1/5+7	+14+19)/	1 = 11.2	5		
Avg. wait	ing time	= 10+	4+6+13)	14 - 52	5		
y coale	J win	-/(01	1.0112)	, 1 - 0.7			
	Twist and			Str. 15 will had	ra Yaya a Law	10000	
San San Land							

Task02:

				Date:				
	To	rsk 02 : S	JF - Non	preemptive				
		B / /	el 11.	Completion time	Tun 14	Waiting		
Process#	Arrival time	Borst time	Start time	Completion time	I I I I I I I I I I I I I I I I I I I	Onte.		
P1	0	7	0	+	15	,		
P2	2	24	8	12	10	6		
P3	4	1	7	8	4	3		
py	5	4	12	16	11	7		
6. 4	+ Chart:							
<u>Sjantl</u>	(1/cm).							
P1		P3		2	PY			
P1 P3 P2 P4 0 7 8 12 16					16			
Avg. tur	naround 1	Sime > (7+10	0+4+11)/	1=8				
Avg. we	iting tin	1/me > (7+10) ne > (0+	6+3+7)/	4=4				

Task03 & Task04:

Tasko3: Round Robin									
Proces	185# Arrival t					round tin	ne Woi	bing hime	
_ P1	0	5	5 11		11		6		
P2	1	4	12		11		7	7	
_ P3	2	2	8		6		4		
PY	py 3		19	9 6			5	B. III	
Ti Alexander		21311712512	Tradition of the second			A COLUMN TO A COLU			
Gan	Gantt Chart: Pl P2 P3 P4 P1 P2 0 3 6 8 9 11 12								
-	PL		P3	P	9	P1	P2		
0	3		6	8	9		11	12.	
Aug.t	um around	·time > (11+11+6+	6)/4	1 = 8.	5			
Avg.	waiting	time = (6+7+4+	5)/4	= 5.	5			
Avg. waiting time => (6+7+4+5)/4 = 5.5									
TaskOY: Priority - Non preemptive									
Process#	Arrival time	Burst time	Start time	Complet	ion time	Turnar	ound time	Claiting time	
PI						4		0	
P2	1	3	4	-	7	6		3	
P3		1				8		7	
PY	3	2	7			6	Will a	4	
Gantt Chart:							Pric	ority:	
P	21	P2	P	4	P.3		P1:	2	
0	Ý		7	(9	10	P2:	1	
Property.		Seat S					P3 :	4	
And 1 times (4+6+8+6) - 6 P4: 3						3			
Au	Avg. turnaround time \Rightarrow (4+6+8+6) = 6 PY: 3 Avg. waiting time \Rightarrow (0+3+7+4) = 3.5								
Avg. turne	around to	- / -	3.7.11	1 5	_				
Avg. tume Avg. wai	around the	A (0+	3+7+4) = 3	.5				
Avg. turne Avg. wai	around to		3+7+4		1 1 15				