	<u> </u>
· Tutroc	functionalities.
	functionalités.
10	produce and a subject to the production of the subject to the subj
red .	
" Oporo	ding System is the System Software
Whice	ho acts as an interface between
12 the 1	thing System is the System Software to acts as an interface between user and hardware.
A II	here will be no operating System, then need to write programs for and every task we need to
we	need to write programs for
2 each	and every task we need to
Per	lorim.
3 1 0	
That	is why we need O.S.
4	
	User, Werz Usern
5	Ly Ly Ly
Q	Applications
6	7.17 (160011070)
	Cong Ga Advanced to the Congress of the Congre
7	Caldille 2 white the first
	Operating System
-	The sale of the sa
ALTE O	Basic Ann Mar mat 17 miles
NOTES	Handware february 121
=	U Mo Tu We Th Fr Sa
	CPU I/O Device RAM 7 8 9 10 11 12 13
	14 15 16 17 18 19 20
	21 22 23 24 25 26 27
	28

Week-02 (006-359)

Need on Groal of Operating System
I veed we dream of
" The Drimary goal that Operating
Questions had I-
The primary goal that Operating System has -
12 00 min to the
-> To provide Convenience to the users. (windows)
12 Users. (windows)
=> +1 == 1 = + (no or +asks executed
(nodapar Line)
1 -> throughput (no. or tasks executed per whit time) 2 (linux)
2 (Linux)
Tractions & Propoling Sulfer
Functions of Operating System
1) Resource Management
5 2) Process Management (CPU Scheduling) 3) Storage Management (Hard Disk)
3) Storage ment (Hard Disk)
1 (1) 11 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
- I (DAM)
1) themory trangement
1 5) Security & Privacy
And O.S. Works with the help of
Justem calls (read, worte, open
e-t·c.).
NOTES
January 12 1 Su Mo Tu We Th Fr Sa
731 1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
7 18 19 20 21 22 23 ——————————————————————————————
Hope rises like a phoenix from the ashes of shattered dreams S.A. Sachs
Hope lises like a priorition the asiles of shattered dieditis 3.A. Sacris

	The second secon
· Types of Operating Syste	m
10 1) Batch O.S. (Non-Preemptive)	
Similar type of jobs in a batch Disadvantage!- Disadvantage!- Opulis idle untill process is con	to CPU
12 -> (PU is idle untill proceed is con	npleted.
1	
2) Multiprogrammed O.S. (Non-p	reemptive)
we bring multiple process inside. To multiprogrammed these process.	RAM
multiprogrammed have process	
nears CPU execute process	P B B
till its completion until and	665
Unless process goes for some	(P4) (P5) (P6)
other task like I/o . In this	, , , , ,
· Case CPU coill not sit idle	
but execute another process.	RAM
7	<u> </u>
Advantage! - Idleneus of CPU decrease	2)
Ex-: IN. (CPU)	The .
- NO	
NOTES / The tot	february 21 We The Fr Sa
23K; (1) (2) (3) (4) (1) (2) (4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
	14 15 10 17 U18 19 10 21 22 23 24 25 25 2
Brokels 1 Brokers 2 P3	
And when all the wars are over, a butterfly will still be beautiful	I Ruskin Bond

24 25 26

27

28

PARTIES AND
2) Multitaking / Time Sharing OS
·3) Multitasking / Time Sharing OS
10 (Preemptive)
" Here time is lived for each proceed for
its over time by time it
its execution and time by time it
12 executes the process.
· Advantage!- Responsivences
Company of the second s
24) Real time OS -7 Hand
24) Real time OS 7 Hard
Soft
3 No delays
· Time mallors
1 · immediate outputs
The state of the s
5 5) Distributed OS-
- 0) Diotarou Ca Ca
N= 1 = 1 N = -
· Distributed Environment
ALLEGATION TO THE STATE OF THE
16) (lustered OS-
multiple machines coortes as one machine, this
is more and la Clustoned OS
15 Managed by Martelled US.
is managed by Clustered OS. Availability, Faul of tolerance, Scalability
0
january 121 (7) Embedded as - NOTES
Su Mo Tu We Th Fr So
70 XV
10 11 12 13 14 15 16 Functionality is Set_
17 18 19 20 21 22 23

January '21 Week-02 (009-356)		S	ATUR	DAY			9
		Philips of the Property	The section of the		- 18		letters is
Process States	- A- 1		No.				2 1
Suspenders (RAM)	6	RECUY	edby				
frat Oucue	14	CPU		- 1	7	De	all
New Dispate	-		_	>	/		
multipe () STE	Run	ming)	1/4	1	01	لإبس
reate gramming	1	1)	-		_	-
181011	7	1.0		1			
Complete Time quantin)/	1014	eque	·t (Fil	e)	
Ba		1	12 117	1 -	-10.		
ouching stone wast/ (a)	31	, Sec.	1			-ir	
Backing Stone (Block (RHM)	5 7.33	25	- XI		£ 1,	š	
A I TAT	5	1					
				1		1	
			^	_			
New? - Decom	wait	_(i	f w	cử t		Lu	ll'
roew - process created	wai t	_(i	f w	cử t		fu	ll,
New! - Process Created Ready! - Queued in RAM	wai t	_(i	f w	cử t	= 1	fu	ll _
Ready! - Queued in RAM	wai t	_(i	f w	cử t	= 1	fu	
roew - process created	wai t	_(i	f w	cú t		fu	
Ready: - Queued in RAM Long Term Scheduler: - LTS		_(i		- 1		1	
Ready' - Queued in RAM		(i		cú t		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS				- 1		1	0
Peady: - Owened in RAM Long Term Scheduler: - LTS				- 1		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS		(i		- 1		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS	S			- 1		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS	S			- 1		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS Short Term Scheduler: - ST	S			- 1		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS Short Term Scheduler: - ST	S			SUNE	DAY	1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS Short Term Scheduler: - ST	S	Su		SUNE feb		1	0
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS Short Term Scheduler: - ST	S	Su	Mo Tu	feb we	DAY OFUC Th	1 ary ' Fr 5	21 Sa 6
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS Short Term Scheduler: - ST	S	Su Su	Mo Tu 1 2 8 9	Feb We 3	DAY OFUC Th 4	1 1 1 1 1 1 1 1 1	21 Sa 6
Ready: - Queued in RAM Long Term Scheduler: - LTS Mid Term Scheduler: - MTS	S	Su 7 14 21	Mo Tu	Feb We 3 10	DAY OFUC Th	1 ary ' Fr 5	21 Sa 6

	×
· Questions on Linux Commands	
17) Which Command is used to assert	
Only Bend Promise: to day	指表
Costs is 10 all three	
only Read Permission to all three "Categories of file 'note'.	
12 A) Chmod a- orw	
B) chmod go tor note (C) chmod ugo = or note (Ans) D) chmod utr, gtr, o-x note	
(Ans)	1
D) Choned utx atx o-x note	1
2	THE REAL PROPERTY.
Chmod -> change mode	
3	
U-Wer r-read	受り
19 - group w - worte	A SECOND
o-others x-execute	
5	
onwx on w on w	100
6 0 0 0 0	
	THE PERSON NAMED IN
7 4 9	1000
	710
	温
january 'z 1	5
Su Mo Tu We Th Fr Sa	
16 July 20 71 His Control of the Con	COAL T
31 1 2	in the
3 4 5 6 7 8 9	のというと
3 4 5 6 7 8 9 10 11 12 13 14 15 16	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	

(2) (hmod ugo + rus note' command can be oupresented in octal notation as.
orepresented in octal notation as
A) chmod 555 note
"w3) Chrood (66 hote (ans)
12 D) Chrod aug note
1 Numbers are given:
8=4
$2 \omega = 2 \qquad 91x - 5 \qquad (add)$ $x = 1$
$x = 1$ $\sigma(\omega x -) = 1$
3) Suppose you have a file "f±" whose
Contents come a gile +1 whose
12345/7-890-1-1-P1.
shere clant is
1234567890 abidefghij shere Iseek' is used two times sequentially Iseek (n, 10, SFEK (UR);
6 USER (DE SEEK COET)
" USeek (n,5, SEEK SET);
nis file description
After applying last 1
Circunt applying seek two times, what will be
(worth of position of R/w head?
A) 0 B) 5 () 10 D) 10
NOTES () 10 D) 15
Su Mo Tu We The Fr Sa
useen 15 Dasic Command from Cystem will 2 3 4 5 6
It provide vandom read/write 7 8 9 10 11 12 13
Commands to move orandomle. 14 15 16 17 18 19 20
21 22 23 24 25 26 27
We can't help everyone but everyone can help someone Ronald Reagan