Instructions for Operating Systems Report Fall 25-26

General Description

Each student will write around one page in handwriting about the subject assigned to him/her under the video/topic assigned to the team.

Practical Work

1. From the Videos under the title "Introduction to Operating Systems" in the link below
   https://www.youtube.com/@introductiontooperatingsys8608/videos
2. Watch fully the Video/Lecture assigned to you
3. Write in handwriting your report and submit the paper in office no. 313.

No	Student	Video Lecture Name	Subjects
1	Abdulfatah Shakhawan Fatah	#5 Sharing the CPU	Sharing the CPU
2	Ahmed Ashti Ahmed		When OS supports Multitasking
3	Ahmed Saad Saadi		Multiprocessors
4	Ahmed Saman Hamad	#6 Memory Management Introduction	Single Contiguous Model
5	Asaad Wajd Asaad		Partition model
6	Balen Numan Rashid		Fragmentation
7	Barin Mushtaq Muhammed		Algorithms
8	Bayar Bashdar Majid Khudhir		Deallocation
9	Blnd Jamel Sabri	#7 Virtual Memory	Virtual memory
10	Bzhar Zubair Saeed Maqsud		Process Page Tables
11	Danyal Yousif Ahmed Sleman		Demand Paging
12	Darya Wahid Rahman		Swap out
13	Dina Allan Abdulkhaliq		Protection bits
14	Elaf Fakher Hussein	#9 Segmentation	Address mapping with Segmentation
15	Emma Rebar Mamek		Segment Descriptor
16	Fenik Hussin Jumaa		Linear to Physical Address
17	Hala Sarhad Abdulsatar	#10 PC Booting	BIOS
18	Hamela Ahmed Abdulrahman		MBR
19	Helin Abdulsatar Hamad		Boot Loader
20	Hevar Tahsin Abdulraheem Aziz	#15 Interrupts	OS & Events
21	Karzhin Kamal Muhammedamin		Event Types
22	Kaywan Dler Wahed Ahmed		Interrupts in Legacy CPUs
23	Khalat Sabr Bakr Tahr	#18 CPU Context Switching	The Timer Interrupts
24	Khamleen Abdulwahab Mohammed		Context Switching Overhead
25	Mahmood Raid Nasih	#21 Multi-Processor Scheduling	Symmetrical Scheduling
26	Masir Muhammed Sharif		Hybrid Approach
27	Matin Muhammed Abdulla		Load Balancing
28	Mohammad Sudad Nashat	#8 MMU Mapping	Addressing the Process
29	Muhammed Abdulla Aziz		MMU Mapping in 32 bit Systems
30	Muhammed Hasib Muhammed Omar		2 Level Page Translation
31	Muhammed Sami Haydar Ghareb	#24 Inter Process Communication	Virtual Memory View
32	Muhammed Fakhraddin Noori		Shared memory in Linux
33	Mustafa Nihad Ibrahim		Message Passing
34	Mustafa Sarhang Abdulrahman Ahmed	#32 Deadlocks	Introduction
35	Mustafa Sardar Fatah		Resource Allocation Graph
36	Narin Dler Rashid Dawood		Conditions for Resource Deadlocks
37	Nihad Naji Bag	#37 Information Flow Policies	Information Flow Policies
38	Omar Adil Abdullah		Examples
39	Payam Chawsheen Hassan Chawsheen		Mandatory Access Control
40	Ravar Rizgar Hashim	#30 Semaphores	Producer Consumer Problem
41	Roya Zozk Hussen		Example
42	Rozhin Muhammad Mustafa		Semaphores
43	Safa Kamaran Salih	#34 Threads - Part 1	Threads
44	Sahand Fahmi Mustafa		Execution Context
45	Said Raad Sdeeq	#35 Threads Part 2	Who manages Threads-User Threads
46	Sarbast Sarkawt Bahman		Kernel Threads
47	Shadi Abdulkhaliq Muhammed Qadr		Threading Issus
48	Sozen Khasro Zyad		Typical Usage of threads
49	Sufyan Safen Mustafa	#11 PC Booting	Powering up: Reset, BIOS and MBR
50	Suhael Ahmed Awla Rasool		Powering up: Bootloader, and OS
51	Taman Luqman Saeed		Multiprocessor Booting
52	Yalda Firaz Maher Nasrullah	#12 Introduction to Processes	Process States
53	Yaran Dlman Ebrahim		Process Stacks
45	Zanyar Abdulbasit Qadir	#33 Dealing with Deadlocks	Introduction, Example, and State
55	Zhewar Ali Mustafa		Algorithm
56	Zhin Dara Muhammed		Deadlock Prevention