18207

G p s a Kriyanji

Os in class test

Q.1) android is a linux based Operating system it is designed primarily for smart phones. Android is a powerful operating system and it's supports a large number of applications in smartphones. The hardware that supports android software is based on the ARM architecture platform. Android is an open source operating system.

Ios is the os designed by Apple products, iphones iPad etc. They are directed to the specific function based on swift design patterns because it incorporated some of its gestures and icons and can also be with phones.

Hardware Matters :- Today most smartphones have screens that land within the 6-inch range. Phones are sporting larger, high definition screens. when we take latest Apple iPhone 11 Pro Max, it has 6.5-inch OLED screen, sporting 4 GB RAM, a 3500-mAh battery three-12 megapixel rear cameras. when we take Android 10 on a 6.3-inch OLED screen, Pixel 4 has 6 GB of RAM, two rear cameral 12.2 and 16 megapixles a 3700-mAh battery. Android Phone over their iphone counterparts is the potential to expand storage.

Security measures : specially have two main advantages to ios security. Ios have very good legacy support, means that device is guaranteed to run the latest software with

2)

newest security fixes. As well as ios tightly controls the entire ecosystem from hardware to firmware to software. In android platform suffers from device fragmentation.

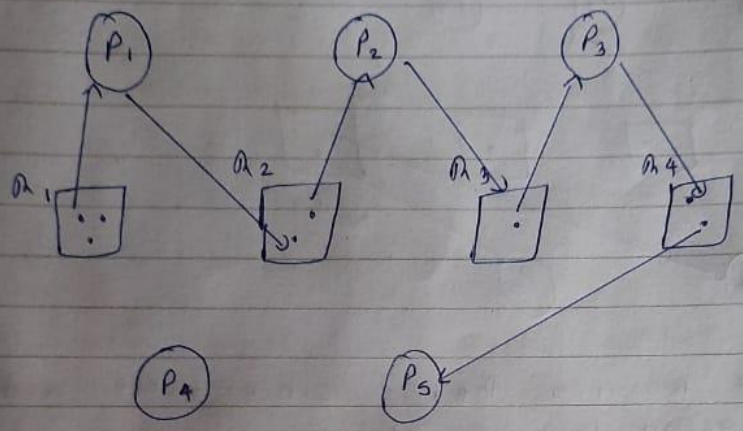
App selection - Ios had this catogory in the bag. The Apple App store had been around longer and had a larger market share than android phones. Bad actors found easier to install malware on Android than iphones.

user Interface - ~~Android can~~ when the customy zable experinces d aimed to Power users, androi d is more speed.

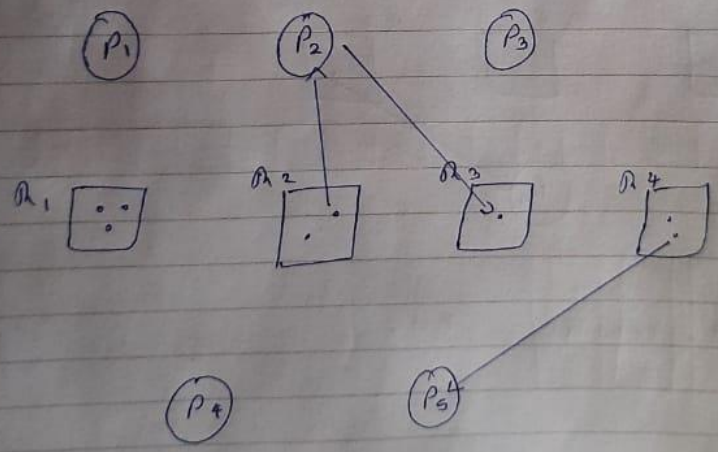
3)

	Allocation				Request				Available			
	R_1	R_2	R_3	R_4	R_1	R_2	R_3	R_4	R_1	R_2	R_3	R_4
P_1	1	0	0	0	0	1	0	0	2	0	0	0
P_2	0	1	0	0	0	0	1	0				
P_3	0	0	1	0	0	0	0	1				
P_4	0	1	0	1	1	0	0	0				
P_5	0	0	0	1	0	0	0	0				

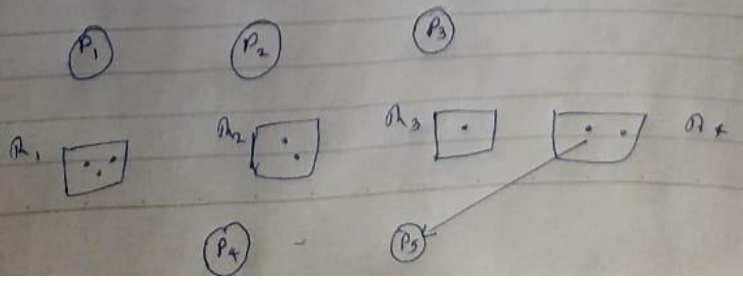
P_4 request resource R_1



P_1 request resource R_2 , P_3 request R_4



P_2 request resource R_3



finally we can run P_5 and all processes are done. Then there is no deadblock.

	Allocation	request	available
	R_1 R_2 R_3 R_4	R_1 R_2 R_3 R_4	R_1 R_2 R_3 R_4
			3 2 1 1
P_1			
P_2			
P_3			
P_4			
P_5	0 0 0 1	0 0 0 0	

5) create it just for the task at hand without including human emotionally charged programs. where it is designed to work only on human commands rather than to allow it to do auto tasks.

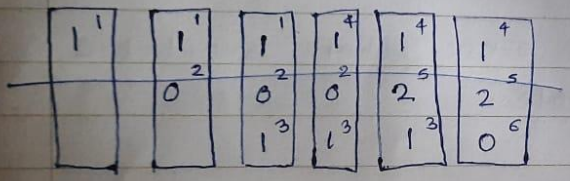
It is important to keep the main control over the creator, as it can lead to adverse consequences it it is placed between individuals.

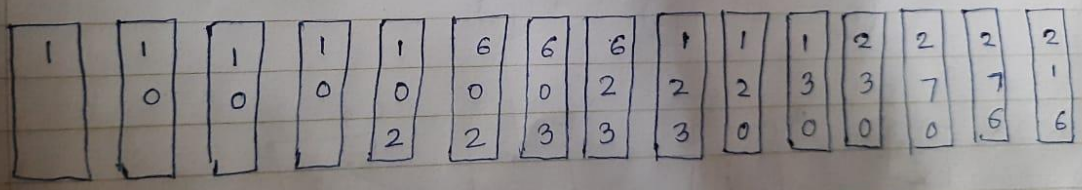
As well as machine driven knowledge and automation will start driving monitoring, incident management, cost management and configuration management. voice assistants: commonplace in the workplace. voice activated digital assistants will become commonplace in the business environment. These digital assistants will allow employees to conversationally interact with the key applications and data insights.

4) Virtual Memory is memory management technique where secondary memory can be used as if it were a part of the memory. It's very common technique used in the os of computers. it is very important for improving system performance and multitasking. Then will consider about the how it use technical terms. let's say OS needs 150 MB of memory in order to hold all the running programs. But there's have only 70 MB available physical momory stored on the RAM chips. Then OS will set up 150 MB of virtual memory & will use a program called Virtual Memory Manager to manage that 120 MB. It will create a file on the hard that is 80 MB size to account for the extra memory that's needed. Then os again processed to address memory as if there were actually 150 MB of real memory stored in the RAM. It is responsibleity of the virtual Memory to deal with the fact that there is only 70 MB of real memory.

2)

1	0	1	1	2	0	5	3	2	1	0	3	2	0	7	2	7	2	6	1





number of the faults - 13 //