

Gripon, John Adrian G.

BSIT-301

Answer:

Part 1 (3 items x 5 points).

1.

Windows kernel

Hardware abstraction layer

Windowing and Graphing System

2.

Windows kernel - organizing, process switching, and thread management Multiprocessor synchronization, handling of exceptions and interruptions All processes are executed by the Windows kernel-mode process and thread manager. No matter how many processors you have, extreme caution must be exercised. Make sure that all the threads in your process are created during driver programming so that Your driver will work properly regardless of how the threads are handled.

Hardware abstraction layer - examples of context switch code, boot code, and codes for setting up and gaining access to hardware resources, such as the MMU, on-chip bus, and bus bridge, timer. A HAL's primary function is to hide various hardware architectures from the OS by giving the system's peripherals a consistent interface.

Windowing and Graphing System - This occurs, for instance, whenever we open separate computer windows are used. This component is used whenever we open numerous tabs and windows. the person accountable for it.

Part 2

- A. Windows 7 ultimate SP1
- B. 2GB (1.9GB as interpreted in task manager)
- C. 517MB
- D.
 - 1. Google Chrome (52.2mb)
 - 2. Microsoft word 2010 (43.252mb)
 - 3. Adobe Acrobat Reader DC (24.5mb)
 - 4. uTorrent (13.072mb)
 - 5. Avast Anti-virus (13.88mb)

- E. 1. Host Process for windows service (39mb)
2. Avast Service (22.9mb)
3. Windows Task Manager (24mb)
4. Windows Desktop Gadgets (4.928mb)
5. Ccleaner (3.624mb)

F. For me application processes because as you can see in my answer in letter D they have a highest output for a laptop that runs on a 2GB RAM but it's not just the application but it in those applications there is always an extension like services it consumes RAM too.

G. 1. The possible ways to connect my device to other devices is by wireless using WI-FI hotspot.

2. The second one is Bluetooth because it is common for any device, even in laptop it is integrated within.

3. Lastly is USB Cables to connect to Mobile phones.

H. Yes it obviously creates a new process because one you connect your device to other devices your device will read it that's a new process already being created after reading it and your device confirms that it was compatible and ready to use your device and the other will start communicating

I. For my own experience if you try to do that it's either your actual device that will crash or the certain application like in computers it happens to me when I was playing a computer game it suddenly crashed because I installed mods improperly it causes the application to crash.

J. It's irritating because some applications are restricted, I can use it for browsing and mid-gaming. I can install some games too but sometimes installing other games is restricted. Sometimes there is an application that can't run unless you use run as administrator, It happen to me in this computer that I use right now I didn't know the history of this laptop because it was given to me it has a broken screen I need to use a monitor just to use this and it won't boot up but I already know what is the problem I know that it was the ram so I replace it with a 2GB ram from my old broken laptop luckily it was compatible

K. First is press "ctrl+alt+delete" simultaneously it will show you options but click the "Start task manager" it will show the running applications and processes single click the application/processes that you want to terminate then click the "End task" if application "End process" if you want to terminate process it will terminate the application or the processes. Second method is using command prompt open the command prompt open it as Administrator then type "tasklist" to see list of running processes and their PIDs(processID) you can terminate in two method it's either by PID number or by process name (I recommend using PID number) then type "taskkill/F/PID pid_(insert number here)" then done.