1. Describe in few lines, what is meant by a multiprogramming environment. Emphasize the task of the Operating system in such an environment?
2. What is the main difference between a time sharing and a multiprocessing environment?
3. What is a batch file?
4. What is an embedded system?
5. What is the task of a bootstrap program and where is this program stored? What is a boot record?
6. What are main characteristics of modern operating systems architecture?
7. Pick a version of Windows mentioned in your homework and give its characteristics.
8. Give some characteristics and responsibilities of the Windows microkernel.
9. What is a TSR process? What si the advantage (reason) for using TSR processes in current Operating Systems?
10. What do you understand about a UNIX external command?
11. Give examples of shells, in what mode the UNIX shell runs?
12. In what programming language is modern UNIX written?
13. What do you understand by a Dual Mode processor? What would be the reason for using a dual mode processor?
14. Give two examples each of synchronous interrupts and asynchronous interrupts.
15. Give the connection (relation) and difference between a privileged instruction and a system call.
16. Name real time operating systems and give a few of their characteristics.