1. What is assembly language?
2. Write the advantages and disadvantages of assembly language?
3. Name the four common computer architectures and their appropriate assembly languages?
4. What programs are generally written in assembly language?
5. In what field are assembly languages ​​often used?
6. What is the difference between Compiler and Interpreter?
7. What is Linker and what exactly does it do?
8. What is Object File? And what content does it contain?
9. Explain the conversion of numbers from base 10 to bases 2, 8 and 16 with an example?
10. Explain the conversion of numbers from bases 2, 8 and 16 to 10 with an example?
11. What is the difference between ASCII and Unicode encoding systems?
12. What is the difference between RISC and CISC computers?
13. What is Register memory and what is its function?
14. What is Flag Register? Explain the function of each Flag bit?
15. What is the function of general registers EAX, EBX, ECX and EDX?
16. Explain the function of arithmetic operators add, sub, mul and div with a simple example?
17. Explain the function of the cbw command with an example?
18. What does the LEA command do?
19. Explain the function of the inc and dec commands in an example?
20. What does the XCHG command do?
21. Explain the function of the cmp command and one of the jump structures in a simple program?
22. Write a program that prints a message on the screen?
23. Write a program that reads a number in meters from the keyboard and converts it to centimeters?
24. Write a program that receives two numbers from the input and then prints their sum?
25. Write a program that receives two numbers from the input and then prints their Multiply?