

- ١) What is assembly language?
- ٢) Write the advantages and disadvantages of assembly language?
- ٣) Name the four common computer architectures and their appropriate assembly languages?
- ٤) What programs are generally written in assembly language?
- ٥) In what field are assembly languages often used?
- ٦) What is the difference between Compiler and Interpreter?
- ٧) What is Linker and what exactly does it do?
- ٨) What is Object File? And what content does it contain?
- ٩) Explain the conversion of numbers from base ١٠ to bases ٢, ٨ and ١٦ with an example?
- ١٠) Explain the conversion of numbers from bases ٢, ٨ and ١٦ to ١٠ with an example?
- ١١) What is the difference between ASCII and Unicode encoding systems?
- ١٢) What is the difference between RISC and CISC computers?
- ١٣) What is Register memory and what is its function?
- ١٤) What is Flag Register? Explain the function of each Flag bit?
- ١٥) What is the function of general registers EAX, EBX, ECX and EDX?
- ١٦) Explain the function of arithmetic operators add, sub, mul and div with a simple example?
- ١٧) Explain the function of the cbw command with an example?
- ١٨) What does the LEA command do?
- ١٩) Explain the function of the inc and dec commands in an example?
- ٢٠) What does the XCHG command do?
- ٢١) Explain the function of the cmp command and one of the jump structures in a simple program?
- ٢٢) Write a program that prints a message on the screen?
- ٢٣) Write a program that reads a number in meters from the keyboard and converts it to centimeters?
- ٢٤) Write a program that receives two numbers from the input and then prints their sum?
- ٢٥) Write a program that receives two numbers from the input and then prints their Multiply?