

**Microprocessor, Assembly Language & Computer
Interfacing Sessional
EEE-3212
For assignment**

1. 8085 program to add two 16 bit numbers
2. Addition of 16-bit numbers using 8-bit operation
3. Addition of 16-bit numbers using 16-bit operation
4. 8085 program to add two 8 bit numbers
5. 8085 program to subtract two 8-bit numbers with or without borrow
6. 8085 program to multiply two 8 bit numbers
7. 8085 program to swap two 8-bit numbers
8. 8085 program to divide two 8 bit numbers
9. 8085 program to find square root of a number
10. 8085 program to find maximum of two 8 bit numbers
11. 8085 program to find smallest number of an array data
12. 8085 program to arrange an array of data in Ascending order
13. 8085 program to add three 16 bit numbers stored in registers
14. 8085 program to find 1's and 2's complement of 8-bit number
15. Write an assembly language program to solve this equation
 $(a*b)+(c*d)$ result will be store in location 2008H location. Where
 $a=1, b=2, c=3, d=4$
16. 8085 program to the factorial of a number.
17. Calculate the sum of a series of even numbers
18. 8085 program to count total odd numbers in series of 10 numbers
19. 8085 program to generate Fibonacci series