

Activity - Shift & Rotate Instructions

Deadline: Friday 26 November 2021 before 8 AM.

You are supposed to run your code in assembler and paste screen shot of your code on a word file. Upload single word or pdf file containing all codes on CMS Portal under the title "Activity_Shift_Rotate"

Recommended Book Reading: Article 4.2 (Shifting & Rotation)

1. Write a program to swap the nibbles in each byte of the AX register.

Example:

AX= 0x FA3B

Resulting AX=0x AFB3

2. Write program to reverse array elements.

Example:

InputArray: dw 1,2,3,7,8,9,11,0,6,7

OutputArray: dw 7,6,0,11,9,8,7,3,2,1

3. Write a program to count negative and positive numbers in an array.

Example:

InputArray: db -7, -16, 8, 25, -120, 127, -24, 77, -18, -128

Positive: db 04

Negative: db 06