

Assembly Language Programming D
FAST-NU, Lahore, Spring 2018

Quiz 1

10 points.

Write a program that reverses a byte array arr1 of a given size at the bit level. For example, if arr1 contains 3, 4, 5, then at the bit level it contains 000000110000010000001101, and after the execution of the program it becomes 101100000010000011000000, which is 176, 32, 192 in decimal.

Note: the data given below is just a sample, your program should work for all values of elements in arr1 and for any size.

[org 0x100]

 jmp start

arr1: db 9, 3, 4, 1, 4, 5, 6, 3, 2, 9, 3, 33, 78

size1: dw 13

start: