National University of Computer and Emerging Sciences, Lahore Campus

Course:	COAL Lab	Course Code:	EE 213
Program:	BS(Computer Science)	Semester:	Fall 2018
Duration:	25 mins	Total Marks:	10
Date	25-09-18	Weight	3%
Section:	F	Pages:	1

Read below Instructions Carefully

1. Understanding the question paper is also part of the exam, so do not ask any clarification.
2. Talking/Discussion is not allowed. It is your responsibility to protect your code and save it from being copied. If you don't protect it all matching codes are considered copy/cheating cases.
3. Failure to observe above mentioned instructions will lead to negative marking in Exam.

Question-1:

You are given an array and size of that array. You have to partition the array and place the partitioned array on this address; 3500:1234. You have to partition the array on the value "10". If a number in array is below than "10" it will be placed in start of partitioned array and if number is greater or equals to "10", number will be placed at the end of the partitioned array.

Example:

Array: db 7, 3, 8, 11, 2, 14, 6, 13, 10, 7

Size: db 10

So the partitioned array on address 3500:1234 will look like:

7, 3, 8, 2, 6, 7, 10, 13, 14, 11

Write Assembly code for the above problem: