

## HW3: NASM Basics

**Due** Jan 18 at 11:59pm    **Points** 10    **Questions** 10    **Available** Jan 11 at 12am - Jan 25 at 11:59pm 15 days  
**Time Limit** None

### Instructions

Questions in this exercise are about the Programming Assignment 1.

Refer to the following document for additional information: <https://cerritos.instructure.com/courses/9936/modules/items/80557>  
(<https://cerritos.instructure.com/courses/9936/modules/items/80557>)

This quiz was locked Jan 25 at 11:59pm.

### Attempt History

|        | Attempt                   | Time       | Score       |
|--------|---------------------------|------------|-------------|
| LATEST | <a href="#">Attempt 1</a> | 35 minutes | 9 out of 10 |

▲ Correct answers are hidden.

Score for this quiz: **9** out of 10  
Submitted Jan 13 at 10:18pm  
This attempt took 35 minutes.

#### Question 1

1 / 1 pts

The keyword **segment** can be used instead of the keyword **section** to define a program section.

☒ True

☐ False

#### Question 2

1 / 1 pts

The **db** directive is an abbreviation which stands for which of the following?

☐ data byte

☐ define base

- ☐ double byte
- ☒ define byte
- ☐ double burger
- ☐ data base

**Question 3****1 / 1 pts**

The portion of a NASM program labeled **section .data** is designated for which of the following?

- ☐ Uninitialized variables an data structures
- ☒ Initialized variables an data structures
- ☐ Data this is illegal for a user program to access
- ☐ data that will never be used by a user program

**Question 4****1 / 1 pts**

In NASM assembly, **mov** is a mnemonic which denotes a "move" instruction.

- ☒ True
- ☐ False

Incorrect

**Question 5****0 / 1 pts**

A system call is triggered by using an **int** instruction, where **int** is an abbreviation for which word.

- ☐ interfere
- ☐ intrinsic

- ☐ intro
- ☐ integer
- ☒ interface
- ☐ intermission
- ☐ interrupt

**Question 6****1 / 1 pts**

In the hello world program that was used in the first part of Programming Assignment 1, which is true about each character in the hello world string?

- ☒ Each character size is one byte which is ascii encoded
- ☐ Each character size is four bytes which is in UTF-32 format
- ☐ Each character size is two bytes which is in UTF-16 format
- ☐ Each character size is one byte which is in UCS-2 format

**Question 7****1 / 1 pts**

The section of the program preceded with the **.text** directive signifies the beginning of where instructions will be listed in a NASM assembly source file.

- ☐ Not Always
- ☐ False
- ☒ True

**Question 8****1 / 1 pts**

The **db** directive can be used to define an a single data element in the similar fashion that a variable is declared with an initializer in a high level language.

☒ True

☐ False

**Question 9****1 / 1 pts**

The **db** directive can be used to declare a variable but initialize it with multiple values like an array would be declared and initialized in a high level language.

☒ True

☐ False

**Question 10****1 / 1 pts**

The **db** directive can not be used to declare and initialize a string variable

☒ False

☐ True

**Quiz Score: 9 out of 10**