General Directions: Answer what is asked/prompted in each of the given item.
Note: This Course Assessment was conducted via Blackboard Learn. Actual questions/prompts were captured

1. Reversed Characters
Write an Assembly Code that prompts the user to enter 10 characters. The code shall show the reversed order of the inputted characters

Sample Run:

Enter characters: wakokok123<enter>
Reversed: 321kokokaw
Would you like to enter again? Press 1 if yes otherwise press any key: 1
Enter characters: 0123456789<enter>
Reversed: 9876543210
Would you like to enter again? Press 1 if yes otherwise press any key: 2
Program Terminated Normally

2. Three Character Password:
Write an Assembly code that prompts the user to enter a 3-character password. The program shall not terminate unless the correct password has been inputted:
Note: Set your own password. Password is hardcoded and doesn't need to be inputted
Sample Run (password is 123):

Enter password: 112
Enter password: 132
Enter password: 123
Program Terminated Normally

3. Character Search.
Write an Assembly code that prompts the user to enter characters. Inputting of character will not stop unless @ sign has been entered. After inputting, the program will ask the user to enter a character to find. The program shall show if the character is found or not

Sample Run:

Enter characters: weakjdudkio@
Enter character to search: j
Character Found!

Sample Run:

Enter characters: isprikitik@
Enter character to search: x
Character Not Found!

Submit a pdf copy with screenshots of your running program
Submit also an insight about the use of Instructions set (could contain: *The importance with respect to architecture, possible use, and overall conclusion about the structure of coding in 8086)****. Include this in your pdf answer***
Submit also textfile or asm file of the assembled codes
Please do not zip! Just upload ALL

Prepared by/ Date (Faculty Member)	Reviewed by/ Date (Program Chair)
DENNIS A. MARTILLANO/ Nov 3, 2020	RONALYN G. LIBON

PART B. Discussion and ESSAY

Discuss in your best possible way, the importance, relevance, and relationship of ASSEMBLY LANGUAGE PROGRAMMING to our modern computing architecture?

You may want to inject your insights about:

- The inclination of Von Neumann Architecture design to assembly coding
- The impact of assembly in current PL's
- The importance of memory address sharing
- The relevance of ASSEMBLY in hardware communication

This ASSESSEMENT is worth 20 points and will be added to your FINAL SCORES

Prepared by/ Date (Faculty Member)	Reviewed by/ Date (Program Chair)
DENNIS A. MARTILLANO/ Nov 3, 2020	