

程序代写代做 CS编程辅导

MCD4700 Introduction to Computer Systems, Note: The state of the stat

Assignment and MARIE Programming_Instruction

	- [6 2][62][62] [62]
Purpose Your task	want them to do. In the first part of this assignment, students will investigate the processes running on their computers. The second phylicapolyppgramming in MARIE assembly language. This will allow students to demonstrate their comprehension of the fundamental way a processor works. The assignment relates to brit Learning Outcomes 2, 3 and 4. ASSIGNMENT PROJECT EXAM THEIR For part 1, you will write a short report describing the processes that
Tour task	are running on your computer. For part 2: you will implement wimple game in the MARIE assembly language.
Value	20% of your total marks for the unit The assignment is marked out of 100 marks.
Word Limit	See individual instructions https://tutorcs.com
Due Date	11:55 pm Friday 12 April 2024 (Week7)
Submission	 Via Moodle Assignment Submission. Turnitin will be used for similarity checking of all submissions. This is an individual assignment (group work is not permitted). Handwritten work is not accepted. docx for the written tasks. MARIE files for the second part DRAFT submission is not assessed. You will need to explain your code in an interview.
Assessment Criteria	Part 1 is assessed based on correctness and completeness of the descriptions. Part 2 is assessed based on correctness of the code, documentation/comments, and test cases. See instructions for details.
Late Penalties	By submitting a Special Consideration Form or visit this link:
	https://lms.monashcollege.edu.au/course/view.php?id=1331
	 Without special consideration, 10% deduction per calendar day or part thereof for up to one week



原结 编 指 7 calendar days unless a Special Consideration application has been approved. This 7-day time frame does not apply to assessments due in Week sessment page Support Resources **Feedback** e provided on student work via: thrt performance specific student feedback ten working days post submission /eChat: cstutorcs **INSTRUCTIONS** This assignment has two parts. Make sure you read the instructions carefully. Younged to submit Die zip file includes fine files through the Moodle Assignment activity: **Plagiarism** It is his facilities (equilement to offer work you submit be original. If there is any evidence of copying (including from online sources without proper attribution), collaboration, pasting from websites or textbooks, Ten marks have be available for the whole assignment, the unit or you may be suspended or excluded from your course. Monash Colleges policies on plagiarism, collusion, and cheating are available here or see this link: https://www.mor/ashcollege.edu.au/_data/assets/pdf_file/0010/17101/dip-assessment-policy.pdf Further Note: When you are asked to use Internet resources to answer a question, this does not mean copy-pasting text from websites. Write answers in your own words such that your understanding of the answer is evident. Acknowledge any sources by citing them. The generative AI is not allowed to be used to generate any solutions for this

assessment.



1. Processes 程序域写代做 CS编程辅导 Calculate the turnaround time for the following processes and subsequently calculate their

Calculate the turnaround time for the following processes and subsequently calculate their average turnaround time

Process	25 Y.Z. M2242
P1	50 C A P TO B A P TO
P2	
P3	Tutor CS
P4	H-1027820031
P5	- Inicological
P6	4
P7	1
	WeChate cst

WeChat: cstutorcs

a- In FCFS first-come first-green Project Exam Help

Email: tutorcs@163.com

b- In SJF shortest job first

QQ: 749389476

c- In Round Robin With Sirce time 1 torcs.com



In this task you will develop a MARIE application that performs some manipulation of characters, strings and numbers. We will break it down into small steps for you. Most of the tasks require you to write code and the most contain proper *comments* and well *indented*. You submit it as .max the most contain proper comments and well *indented*. You submit it as .max the most contain proper comments and well indented. So be working, self-contain proper comments and well indented.

In-Class interviews and process and process and process and process are submission deadline and process and process are submission deadline and process are submission deadline.

Background - Lists of data

This section introduces the concepts you need for the rest of the assignment. A string is a sequence of characters the back date structure of from text in a computer. There are several different ways of representing a string in memory and how to deal with strings of arbitrary length.

For this assignment, Asis Letter Broker Getton Exam Help

- A string is represented in contiguous memory locations, with each address containing one character.
- The characters are encoded using the ASCII encoding.
- End of a string is marked by the ASCII character '.' (i.e. dot or full-stop).
- A string can be of any arbitrary length, and will be terminated by a '.', and it may contain any of the following: alphabets (A-Z, a-z), numbers (0-9), ASCII Space Character (Hex 020) and New Line (Hex 00A).

https://tutorcs.com

Here is an example. A string "Dong Satria." will be represented in memory (written as hexadecimal numbers):

044	06F	06E	067	020	053	061	074	072	069	061	02E
D	0	n	g		S	а	t	r	i	а	

Note that, in the above example, for a string with 10 characters, we need (**10+2**) words of MARIE memory in order to store all the characters belonging to that string (including a space and a '.' characters).

In MARIE assembly language programming, we can make use of the ADR command, the HEX keyword and a label "myString" to put this string into memory:



myStringAddr,
myString,

摆。宋代写代做 CS编程辅导



WeChat: cstutorcs

2.1. Your name as a MARIE string (5 marks)

The following example of a MARIE string in the following example of a MARIE string in the following example of a MARIE string in the following in the following example of a following is separated from the ID by an ASCII character "Hex 00A" (New Line). Different parts of a name are separated by another ASCII character "Hex 020" (Space). And the entire string, consisting of a name and and part is terminated by a 20th, character.

Please see the example below. The label "myStringAddr" holds the address of the first character of the string. You need to follow this MARIE string while solving the task given below.

myStringAddr,
myString,

A my t49389476

HEX 044 /'D'

HEX 06F /'O'

https://tútorcs.com

HEX 020 /Space HEX 053 /'S' /'a' HEX 061 HEX 074 /'t' HEX 072 /'r' /'i' HEX 069 HEX 061 /'a' HEX 00A /NL(New Line) HEX 032 /'2' HEX 031 /'1' HEX 038 /'8' HEX 033 /'3' 1191 HEX 039 HEX 039 /'9' HEX 030 /'0' HEX 030 /'0' /'.' HEX 02E



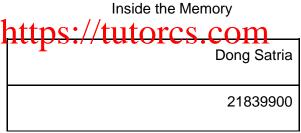
Prepare a MARIE program Generale astring that includes you full that a strong and last name) and your student iD using ASCII characters. Following the above example, you need to use two labels, one label (e.g. "myString") to store the first character of the string, and another label (e.g. "myString) (and another label) (e.g. "myString) (another label) (e.g. "myString) (e.g. "myStr

You need to submit keywords (like the al (of the first character by appropriate comn comments wherever contains codes, using the ADR command and HEX nat after assembling, your name, ID and the address d in MARIE memory. The codes must be accompanied the before any block of code or subroutine or as inline

2.2. Printing string (10 marks)

Prepare a MARIE program that can print the Asell Merminated string of your name and your student ID that you have implemented in task 2.1. You may use the "Output" instruction to print characters in the MARIE output space. The program should be able to print any string that terminated with '.'. Assignment Project Exam Help

Hint: In your program, you need to use a label "myString" that holds the start address of the string (like, myStringAddr) that you want to print. Then, you should load a character from the address "myString", printing character, the original to the character loaded from the address is a '.' (which signals the end of the string). The output may look similar to the output below. The codes must be accompanied by appropriate comments (as a paragraph before any strong comments or as inline comments wherever appropriate).



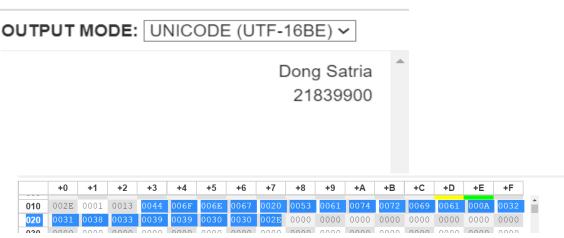


Figure 1: Print your name and ID



2.3 Subroutines to 解 a since in a since in

Numerology is a belief system that suggests the numerical value of a name can influence various aspects of personal development. The number associated with a name is often referred to the name is assigned to the name is as a sign of the name is as a sign of the name is a sign

This method can be implemented with any name, assuming that all the letters are capital letters, and there are the capital that acters except spaces.

To find your Numerology or Expression number, follow these steps:

- 1. Write out the string (usually a name) for which you want to determine the Numerology or Expression number.
- 2. Match each letter in the string to its corresponding number using the key.
- 3. Add together all of the pumpers associated with the letters in the string.
- 4. Reduce the sum of the string numbers:
 - a. If the sum is two digits, repeatedly add together the two digits until you get a single digit.
 - b. If the sum is greater than 2 digits reduce/the number to two digits by adding together the digits repeatedly until you get either one digit or two digits

,	<u>Example1:</u>	https	. //	cs com		
	М	0	N	A	S	Н
	13	15	14	1	19	8

$$13 + 15 + 14 + 1 + 19 + 8 = 70$$

$$70 = 7 + 0 = 7$$

The Expression number = 7

Example2:

М	0	N	А	S	Н	space	С	0	L	L	Е	G	E
13	15	14	1	19	8		3	15	12	12	5	7	5

$$13 + 15 + 14 + 1 + 19 + 8 + 3 + 15 + 12 + 12 + 5 + 7 + 5 = 129$$

$$129 = 1 + 2 + 9 = 12$$

The Expression number = 12



Create two MARIE subjections: one named "subcount Numerology" to calculate the Expression Number for the given string. These subroutines should follow these guidelines:

1. Print the strin
2. On the secon

of the (Expression Number) before reducing it.

3. On the third lift and the reduction.

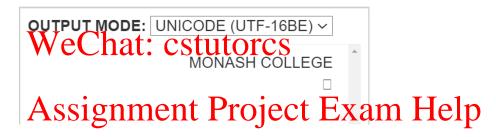


Figure 2.a: Using subroutines to Display a string and find an Expression number Email: tutorcs@163.com

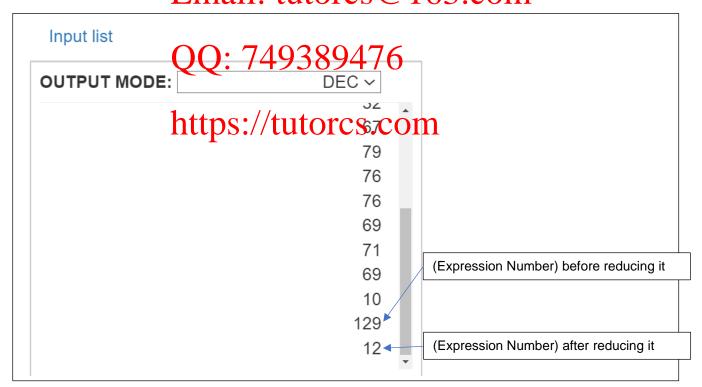


Figure 2.b: Using subroutines to Display a string and find an Expression number

Note: MONASH COLLEGE is just an example



2.4 Assembly Lang 程序 作为写体的 (CS编程辅导 This task is for HD students

To get HD in this ass think again before ignoring this task

- a. Write at least veen (at most 200 words):
 - i. Assembly

Machine I

ii.

- b. Prepare a MA Land Land tialised with three values (X, Y and Z) then find and print the result of (X+Y-Z) in:
 - i. Assembly Wyge hat: cstutorcs
 - ii. Machine Language

Note: Assuming that the result is always between Pand 9 ect Exam Help

The codes must be accompanied by appropriate comments (as a paragraph before any block of code or subroutine or as inline comments wherever appropriate). The code of the assemble and the machine should be in one MARIE file called (**RIE file called (***RIE file call

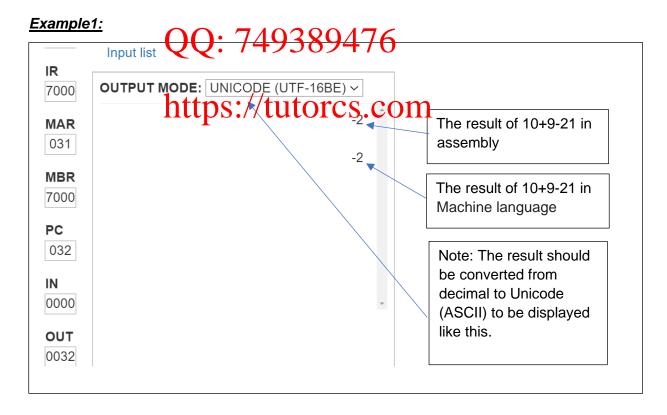
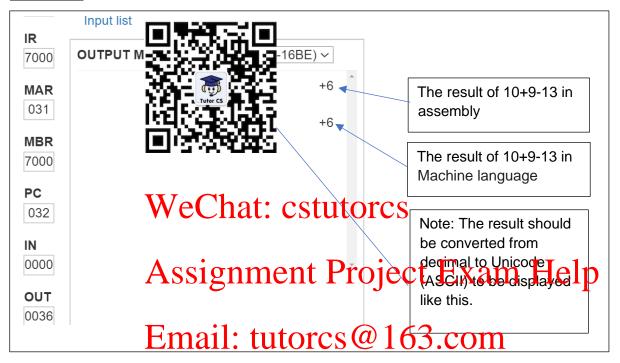


Figure 3.a: Assembly and Machine Language



程序代写代做 CS编程辅导

Example2:



igyre 37: Assembly and Machine Language

Marks (for each representation):

- Correct explaining franks/tutores.com
 Correct code in assembly and machine: 6 marks
- Correctly convert the decimal to Unicode and display the result as above: 3 marks

Code Documentation and Development (5 marks)

All the variables/labels should have a meaningful naming convention. The code should include proper comments.

Code Readability (5 marks)

Before you submit, be sure your code is well organised and very easy to follow included code indentation, effective use of whitespace etc.



Report Structu程源何可解做 账券编程辅导

Files to be submitted:

One folder named ' meStudentID" containing the following files:

- Word file called YourFirstNameLastName Report for the should include your Full name, your student ID, your StudentID.do class number
- 2. MARIE files f ame them as below:

 - 2.2 PrintNameID.mas
 - 2.3_SubroutinesToPrint&countNumerology.mas
 - 2.4_ Alsemble AND Machine matutores

Zip the folder under the same name and submit it Moodle. You need to make sure there are no spaces in any of the file names name and submit it Moodle. You need to make sure there are no spaces in any of the file names name and submit it is Moodle. You need to make sure there are no spaces in any of the file names name and submit it is Moodle. You need to make sure there are

Email: tutorcs@163.com 3. In-class oral/coding assessment (15 marks)

In addition, you will be asked some questions related to MARIE to assess your level of understanding. Your (ut) (will ask a bupte of the about the MARIE programming language and/or you are required to code a task using MARIE.

https://tutorcs.com

NOTE! Your submitted files must be correctly identified (as described above). Any submission that does not comply will receive an automatic 10 marks penalty (applied after marking).