SEC204

程序代写代做 CS编程辅导

Compute And Low Like Togramming

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Overview 程序代写代做 CS编程辅导

💹 opment tools

- First, we'll briefly dis
 - Assembler
 - Linker
 - Debugger WeChat: cstutorcs
 - Compiler
 - Assignment Project Exam Help
 Object code disassembler

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- Then we'll do practical activities 89476
 - Please see Week_5b.pdf

Assembler 程序代写代做 CS编程辅导

ASSEMBLER

- Converts the Assemb **The source code to machine/binary code** for the processor
- Assembly code varies for different assemblers (even for the same weChat: cstutorcs architecture)
- □ gcc file.c -S -o file.S Assignmente the Preside by From FHelp
- gcc file.S -o file //generate the binary
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 gcc -c file.S -o file.o //This will give object code file named file.o. It is binary but not executed binary
- Examples include
 - MASM
 - NASM
 - GAS
 - HLA

Linker 程序代写代做 CS编程辅导

- The linker links togethe of object files to produce a binary file which can be directly e
- Links objects: resolves declared in the program code welchat: cstutorcs
- For external functions (e.g., printf) usually a second step is required to link the assembly object codes with albert exterioral dynamid libraries and allow the executable to run on the host system
- the executable to run on the host system

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 gcc file.o -o file // Creates executable file from the object file test.o

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Debugger 程序代写代做 CS编程辅导

- Runs the program with
- parameters



Runs the program in a t

- Stops the program at proposing within the program
- Examines data elements, such as memory locations or registers

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 Changes elements in the program while it is running to help bug removal
- We will be using GDBEmail: tutorcs@163.com
- To tell GCC to emit extra information for use by a debugger, add -g to your other options.
 - gcc test.c -o -g binohttps://tutorcs.com

GDB Basic Commands 程序代写代做 CS编程辅导

- 🗆 break Set a breakpoi🛃
- uatch Set a watchpoint cecution when a variable reaches the specific value
- info observe system elements, such as registers, the stack, memory WeChat: cstutorcs
- x examine memory location
- print Display variable Adsegnment Project Exam Help
- Run Start execution
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- list List specified functions or lines
- next Step to the next in the ction in the program
- step Step to the next instruction in the program https://tutorcs.com
- cont Continue executing the program from the stopped point
- until Run the program until it reaches the specified source code line (or greater)

COMPILER and DISASSEMBLER 程序代写代做 CS编程辅导

COMPILER

- Converts high lever assembly language and then into binary code for the procedular accute.
- gcc test.c -o test // Creates executable file test from C language program test.c

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DISASSEMBLER

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- Takes a full executable program (or an object code file) and displays the assembly QQ: 749389476
- objdump -d binary Ifiles ///shews the assembly of the binary file

Reverse Engineering (1) 程序代写代做 CS编程辅导

or design blueprint the knowledge or design blueprint the knowledge conducted to obtain knowledge, ideas, and design philosophy when such information is unavailable. In some cases, the information is owned by someone who isn't willing to share them. In other cases Atheign formation to be been destroyed."

 Secrets of Reverse Engineering, Eldad Eilam Email: tutorcs@163.com

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Reverse Engineering (2) 程序代写代做 CS编程辅导

- Reversing engineerically not software can show what others may learn from it
- If the software is sulling "hide" information (e.g., encryption), make sure it works the way you think it should we char estutores
- Preventing hackers from reverse engineering your code to find vulnerabilities
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- Reverse engineering malicious software (malware) to prevent attacks
- Preventing stealing copyrighted information (digital rights)
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Any questions? 程序代写代做 CS编程辅导



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Now let's open week5_b.pdf