



COMP - Intro to Compilers I (MIEIC - Compilers - 2021)

116

Responses

5.6

Average Score

Closed

Status

1. Select the option below that completes the following sentence: "<OPTION> is another common kind of language processor. Instead of producing a target program as a translation, <OPTION> appears to directly execute the operations specified in the source program on inputs supplied by the user." (1 point)

94% of respondents (109 of 116) answered this question correctly.

<input checked="" type="radio"/> an interpreter	109 ✓
<input type="radio"/> a compiler	3
<input type="radio"/> a pre-processor	4



2. Select the option below that completes the following sentence: "<OPTION> is a program that can read a program in one language | the source language | and translate it into an equivalent program in another language | the target language; An important role of <OPTION> is to report any errors in the source program that it detects during the translation process. (1 point)

96% of respondents (111 of 116) answered this question correctly.

<input type="radio"/> an interpreter	4
<input checked="" type="radio"/> a compiler	111 ✓
<input type="radio"/> a pre-processor	1



3. Select the options below that completes the following sentence: "The machine-language target program produced by <A> is usually much faster than at mapping inputs to outputs. <C>, however, can usually give better error diagnostics than <D>, because it executes the source program statement by statement. (1 point)

90% of respondents (104 of 116) answered this question correctly.

- <A> = a compiler; = an in... 104 ✓
- <A> = an interpreter; = a ... 12



4. Select the option below that completes the following sentence: "The task of collecting the source program is sometimes entrusted to a program, called a <OPTION>. The <OPTION> may also expand shorthands, called macros, into source language statements." (1 point)

97% of respondents (113 of 116) answered this question correctly.

- compiler 3
- preprocessor 113 ✓



5. Select the options below that completes the following sentence: "The <A> may produce an assembly-language program as its output, because assembly language is easier to produce as output and is easier to debug. The assembly language is then processed by a program called that produces relocatable machine code as its output." (1 point)

97% of respondents (113 of 116) answered this question correctly.

- <A> = preprocessor; = an... 3
- <A> = compiler; = an ass... 113 ✓



6. "Large programs are often compiled in pieces, so the relocatable machine code may have to be <A> together with other relocatable object files and library files into the code that actually runs on the machine. The resolves external memory addresses, where the code in one le may refer to a location in another file. The <C> then puts together all of the executable object files into memory for execution." (1 point)

87% of respondents (101 of 116) answered this question correctly.

- <A> compiled; linker; <C... 14
- <A> linked; linker; <C> l... 101 ✓
- <A> compiled; linker; <C... 1
- <A> compiled; preproce... 0
- <A> linked; linker; <C> u... 0

