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Started on Wednesday, 17 March 2021, 1:51 PM

State Finished

Completed on Wednesday, 17 March 2021, 1:54 PM

Time taken 2 mins 19 secs

Marks 19.00/19.00

Grade 20.00 out of 20.00 (100%)

Information

The following questions are based on content in [A Tour of C++](#), Chapter 16.

Question 1

Correct

Mark 1.00 out of 1.00

C++ was designed to provide which earlier programming language's facilities for program organization?

Select one:

- ☒ a. Simula
- ☐ b. FORTRAN
- ☐ c. Algol
- ☐ d. C
- ☐ e. Smalltalk
- ☐ f. PL/1



Question **2**

Correct

Mark 1.00 out of 1.00

C++ was designed to provide which earlier programming language's facilities for systems programming?

Select one:

- ☐ a. Algol
- ☐ b. PL/1
- ☐ c. FORTRAN
- ☐ d. Smalltalk
- ☒ e. C
- ☐ f. Simula

Question **3**

Correct

Mark 1.00 out of 1.00

C++ was started at this company.

Select one:

- ☐ a. DEC
- ☐ b. Xerox
- ☐ c. IBM
- ☒ d. AT&T Bell Labs

Question **4**

Correct

Mark 1.00 out of 1.00

In documents published in 1985 and 1994, the inventor states that C++:

Select one or more:

- ☐ a. is a better Algol
- ☐ b. is a systems programming language
- ☒ c. is a general-purpose programming language
- ☒ d. supports object-oriented programming
- ☐ e. is a better Simula
- ☒ f. supports data abstraction
- ☐ g. is a specific-purpose programming language
- ☒ h. is a better C
- ☐ i. is an object-oriented programming language



Question **5**

Correct

Mark 1.00 out of 1.00

The language "C with Classes" was renamed to C++ in what year?

Answer: 1983

Question **6**

Correct

Mark 1.00 out of 1.00

Write the full name (first name followed by last name, no spelling mistakes) of the inventor of C++:

Answer: Bjarne Stroustrup



Information

The following questions are based on content in [A Tour of C++](#), Chapter 1.

Question **7**

Correct

Mark 3.00 out of 3.00

Match the following with the most correct choice that applies to C++.

Each C++ source file is compiled to a/an ____.

object file



Object code files are linked together to produce a/an ____.

executable



This can be ported to different kinds of computers / target architectures.

source code

Question **8**

Correct

Mark 1.00 out of 1.00

Every C++ program:

Select one:

- ☐ a. can have multiple global main() functions
- ☒ b. must have exactly one global main() function



Question **9**

Correct

Mark 1.00 out of 1.00

A function declaration **must** provide:

Select one or more:

- ☒ a. the name of the function
- ☒ b. the type of value returned
- ☐ c. an exception specification
- ☒ d. the number and types of arguments required in a call
- ☐ e. a namespace

Question **10**

Correct

Mark 1.00 out of 1.00

Defining multiple functions with the same name is called function ____.

Select one:

- ☐ a. ambiguity
- ☒ b. overloading
- ☐ c. name clashing
- ☐ d. overriding

Question **11**

Correct

Mark 5.00 out of 5.00

Match each question with the most appropriate answer.

It is used to define a set of possible values and a set of operations.

A named object.

A set of bits interpreted according to its defined set of possible values and set of operations.

A region of memory that holds a value.

A statement that introduces an entity into a program.

type



variable



value



object



declaration



Question **12**

Correct

Mark 2.00 out of 2.00

Match the description with the appropriate C++ keyword below.

Means roughly, "I promise not to change this value."



Means roughly, "To be evaluated at compile time."

[◀ Week 07 Lecture Files](#)[Week 08 Lecture Files ▶](#)