Test 1

Due Apr 19 at 11:59pm   **Points** 20   **Questions** 20   **Available** Apr 16 at 8am - Apr 19 at 11:59pm 4 days   **Time Limit** 15 Minutes
Allowed Attempts 2

Instructions

You will get 20 questions for each attempt.   You will have 15 minutes to answer the T/F and MC questions on each attempt. You will be able to take the test a second time if you choose. Your score will be that of the last attempt completed.

[Take the Quiz Again]

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	15 minutes	14 out of 20

⚠ Answers will be shown after your last attempt

Score for this attempt: **14** out of 20
Submitted Apr 16 at 10:19pm
This attempt took 15 minutes.

Question 1   1 / 1 pts

You write a program in foo, that uses functions from fii. The following steps are required to make a complete program:

a) link fii and foo

b) create an object file for fii

c) create an object file for foo

In what order must they be performed?

○ a), b), c)

◉ b), c), a)

○ c), b), a)

○ none of the above

Question 2   1 / 1 pts

Which of the following are the correct preprocessor commands necessary to prevent multiple inclusions of header files? If there is an answer here that work

○ `#include "header.h"`

```
   #define HEADER_H
   #ifndef  HEADER_H
   //declarations for header.h go here
○  #endif
```

```
#ifndef  HEADER_H

#define HEADER_H

// declarations for header.h go here
```
⦿ `#endif`

```
#ifndef  HEADER_H

//declarations for header.h go here
```
○ `#endif`

Question 3   **1 / 1 pts**

The C++ namespace facility permits different teams of programmer to use, identical names for different purposes yet avoid conflict.

⦿ True

○ False

Question 4   **0 / 1 pts**

If the header file is well written and documented a program does not need toe see the details of the implementation to use the function(s) in the implementation file.

○ True

⦿ False

Question 5   **0 / 1 pts**

You have a program with a class that is separated into files. The implementation has been changed. Of the interface file, the implementation file and the application file, which must be recompiled?

○ Only the interface?

○ Only the implementation?

○ Only the Application?

⦿ b) & c)

○ None of the above?

Question 6   **1 / 1 pts**

The include statement, `#include <file.h>` looks in the system defined directory for the file, file.h.

⦿ True

○ False

Question 7   1 / 1 pts

An algorithm is a program to solve a problem.

    ◯ True

    ◉ False

Question 8   1 / 1 pts

A test plan for you program should include which of the following?

    ◯ All logic paths through the program

    Boundary values in the input
    ◯

    Invalid input values
    ◯

    ◉ All of the above?

    ◯ Some of the above?

Incorrect

Question 9   0 / 1 pts

Which of the following is not part of the object oriented analysis?

    ◯ Break the problem domain into functions

    ◯ Split classes that do not have a single purpose into 2 or more classes

    ◯ Identify potential classes

    ◉ If 2 or more classes have elements in common created a parent class for them

---

Incorrect

Question 10   0 / 1 pts

When you have finished the software architecture the next step is

    ◯ Time to have fun and start coding!

    ◯ Time to have fun and pass it on to the coders!

    ◯ Time to have fun and start designing modules or objects as appropriate for the target programming language.

    ◉ Time to have fun and start developing a data flow diagram.

Question 11   1 / 1 pts

A test case includes any data required to test the targeted fucntion, a list of instructions on how the program wil be configured, and a statement of the expected outputs.

  ◉ True

  ○ False

Question 12   1 / 1 pts

When designing a program you should specify how you will check input to ensure it meets the requirements of your program.

  ◉ True

  ○ False

Question 13   1 / 1 pts

Once you have your software architecture finished, if new requirements arise you'll probably need to discard it and start over.

  ○ True

  ◉ False

Question 14   1 / 1 pts

The software development cycle consists of these stages in the order indicated:

  ○ 1. design, 2. requirements analysis, 3. implementation, 4. testing

  ◉ 1. requirements analysis, 2. design, 3. implementation, 4. testing

  ○ 1. requirements analysis, 2. decomposition, 3. implementation, 4. testing

  ○ 1. implementation, 2. testing, 3. design, 4. requirements analysis

Question 15   1 / 1 pts

Decomposition into objects is no different than decomposition into functions.

  ○ True

  ◉ False

Question 16   1 / 1 pts

As you develop your software design you should document all decisions.

⦿ True

◯ False

Question 17   1 / 1 pts

Which of the following is not part of class identification?

◯ Clearly state the purpose of each class

◯ Decide what data is needed for that purpose

◯ Decide what actions (functions) are needed for that purpose

⦿ Make all data private

Incorrect

Question 18   0 / 1 pts

Which statement(s) are true about a software architecture?

◯ It is a detailed description of the code modules or objects required.

◯ It's a high level overview of the structure of a program/system to be built.

◯ They do not need to indicate how information flows through the program as that's done later.

⦿ a & b

 b & c
◯

Incorrect

Question 19   0 / 1 pts

What is not a benefit of object oriented analysis, design, and programming?

◯ It is easier to write the program.

◯ They provide encapsulation

⦿ They provide inheritance

◯ They make additions to the program easier

Question 20   1 / 1 pts

When testing a large software project you should always start by testing the complete, integrated, program.

○ True

◉ False

Quiz Score: **14** out of 20

Question 20   1 / 1 pts

When testing a large software project you should always start by testing the complete, integrated, program.

○ True