

Test Bank for Programming and Problem Solving with C 7th Dale

Import Settings:
Base Settings: Brownstone Default
Information Field: Complexity
Information Field: Ahead
Information Field: Subject
Information Field: Title
Highest Answer Letter: D
Multiple Keywords in Same Paragraph: No
NAS ISBN13: XXXXXXXXXXXXX, add to Ahead, Title tags

Chapter: Chapter 02 - Testbank

Multiple Choice

1. Which of the following statements about the C++ main function is false?
- A) Every program must have a function named main.
 - B) Program execution begins with the first executable statement in the main function.
 - C) The main function must call (invoke) at least one other function.
 - D) The word int in the function heading means that the main function returns an integer value (to the operating system).

Ans: C

Complexity: Easy

Ahead: [2.1](#) The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

2. The formal definition of a digit shown here is an example of the use of what metalanguage?
- `<digit> ::= 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9`

- A) Syntax template
- B) Syntax diagram
- C) Symbol structure form
- D) Backus-Naur Form (BNF)

Ans: D

Complexity: Easy

Ahead: [2.1](#) The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

3. Which one of the following is *not* a valid "Yoyo"?

- A) 123ABC
- B) 321BB1
- C) 1A
- D) 33
- E) C

Ans: D

Complexity: Moderate

Ahead: 2.1 The Elements of C++ Programs
Subject: Chapter 2
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4. Which one of the following is *not* a valid identifier in C++?

- A) Hi_There
- B) top40
- C) UpAnDdOwN
- D) 3BlindMice
- E) CAPS

Ans: D

Complexity: Moderate

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

5. Which one of the following is *not* a valid identifier in C++?

- A) myName
- B) little
- C) X123Y
- D) Go Home
- E) IdEnTiFiEr

Ans: D

Complexity: Moderate

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

6. Which of the following is a legal string assignment?

- A) "name" = Jones;
- B) name = "Jones";
- C) name = 'D' + "Jones";
- D) name = "Jones"; and name = 'D' + "Jones";

Ans: B

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

7. Which of the following can be assigned to a char variable?

- A) 't'
- B) '2'
- C) '\$'
- D) All of the these are correct.

Ans: D

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

8. Which assignment statement could be used to store the letter A into the char variable someChar?

- A) someChar = "A";
- B) someChar = A;
- C) someChar = 'A';
- D) someChar = "A"; and someChar = A;
- E) someChar = "A"; and someChar = A; and someChar = 'A';

Ans: C

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

9. In C++, the phrase "standard output device" usually refers to:

- A) the keyboard.
- B) a floppy disk drive.
- C) the display screen.
- D) a CD-ROM drive.
- E) None of these is correct.

Ans: C

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

10. Which of the following statements prints HappyBirthday on one output line?

- A) cout << "Happy" << endl;
cout << "Birthday" << endl;
- B) cout << "Happy";
cout << "Birthday" << endl;
- C) cout << "HappyBirthday" << endl;
- D) cout << "Happy";
cout << "Birthday" << endl; and
cout << "HappyBirthday" << endl;

Ans: D

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

11. Where can C++ comments appear in a computer program?

- A) In the middle of an identifier
- B) In a reserved word
- C) In a literal constant
- D) In constant and variable declarations

Ans: D

Complexity: Easy

Ahead: 2.1 The Elements of C++ Programs

Subject: Chapter 2

Title: C++ Syntax and Semantics, and the Program Development Process

12. All of the following are useful software maintenance tips when modifying complex code *except*:

- A) break a long block of code into smaller chunks that have distinct purposes.
- B) identify portions of the code that you are sure you can ignore.
- C) focus on the code sections that are clearly related to the maintenance task.
- D) never document your updated code changes to avoid confusion.
- E) examine how your code changes affect other parts of the application.

Ans: D

Complexity: Easy

Ahead: 2.2 Program Construction

Subject: Chapter 2

Title: CSyntax and Semantics, and the Program Development Process