

# CPA Chapter 1 Practice Quiz



C++ Institute Volunteer Program 2015

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AUTHOR'S BIO: Prachi works at EdgeVerve, India as a product engineer (research and development). Her areas of interest are big data analysis, databases and conceptual programming in C, C++ & JAVA. Her hobbies are playing tennis and reading books.

Chapter: 1	Introduction to computer programming		
Section: 1	Different languages for different purposes		
C++ Associate (CPA)	Chapter: 1	Section: 1	Question type: single-choice
Subject: Different programming approaches and their features			Question Number: 1
Question: Match the following types of programming with their features:			
i. Monolithic Programming	a. Organized around objects rather than “actions” and data rather than logic.		
ii. Structured Programming	b. Program has flat physical structure consisting of only global data and sequential code.		
iii. Object-Oriented Programming	c. Programs consist of multiple modules and in turn, each module has a set of functions of related types.		
A) i-a , ii-b, iii-c B) i-c, ii-b, iii-a C) i-b, ii-a, iii-c D) i-b, ii-c, iii-a			

Chapter: 1	Introduction to computer programming		
Section: 1	Different languages for different purposes		
C++ Associate (CPA)	Chapter: 1	Section: 1	Question type: single-choice
Subject: Structured Programming v/s Object Oriented Programming			Question Number: 2
Question: "Structured Programming views the two core elements of any program- data and functions as two separate entities whereas; OOP views them as a single entity."			
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A) True B) False			

Chapter: 1	Introduction to computer programming		
Section: 1	Different languages for different purposes		
C++ Associate (CPA)	Chapter: 1	Section: 1	Question type: multiple-choice
Subject: Features of Object Oriented Programming			Question Number: 3
Question: Which of the following features of object- oriented paradigm is supported by C++?			
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<ul style="list-style-type: none"> <li>A) Encapsulation</li> <li>B) Inheritance</li> <li>C) Polymorphism</li> <li>D) Persistence</li> </ul>			

Chapter: 1	Introduction to computer programming		
Section:			
C++ Associate (CPA)	Chapter: 1	Section:	Question type: single-choice
Subject: Adding comments			Question Number: 4
Question: Which of the following is a correct comment?			
-			
A) */Comment*/ B) **Comment** C) \*Comment*\nD) /*Comment*/ E) {Comment}			

## ANSWER KEY

Correct answers:

Q1 - C

Explanation: no explanation

Correct answers:

Q2 - A

Explanation: no explanation

Correct answers:

Q3 - A, B, C

Explanation: no explanation

Correct answers:

Q4 - D

Explanation: no explanation

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AUTHOR'S BIO:	Becoming a programmer is deeply connected—the three year-long study of cybersecurity that students learn about on their first college day and do not stop thinking about until their last. It forces them to draw from all they have learned. It is my test of perseverance, creativity, and knowledge that appeared to be also, rather unexpectedly, the catalyst in my decision to study C++ programming. Vitali Kremez, CFE, CNDA, CEH, Sec+, Linux+, LPIC1, Suse CLA.	

Chapter: 1	Chapter 1: Introduction to computer programming		
Section: 1.6.17	Conditions and conditional executions		
C++ Certified Programmer Associate (CPA)	Chapter: 1	Section: 6	Question type: Multiple-choice
Subject: Pointers vs. arrays			Question Number: 1
Question: <a href="#">What is the output of the code below?</a>			
<pre> #include &lt;iostream&gt; using namespace std; int main(){ int x = 12, y = 10, z = -6; if(x &gt; 0) { if(y &lt;= 0) { if (z &lt; 0) ++z; if(z &lt;= 0) z--; } if(y &gt; 0) x++; } if(y &lt;= 0) ++y; z = x + y; cout &lt;&lt; z &lt;&lt; endl; return 0; } </pre>			
Answers:  A. 7766 B. 6655 C. 5544 D. 7755			

ANSWER KEY

Correct answer:  
Q1 - B. 6655

Explanation: N/A



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Chapter: [1]	Introduction to computer programming		
Section: [3]	Integer values, integer variables and comments		
C++ Certified Associate Programmer (CPA)	Chapter: [1]	Section:[3]	Question type: [Multiple-choice]
Subject: [Printing integer value]			Question Number: [1]
Question: What is the output of the following code ?			
<pre>#include&lt;iostream&gt; int main() {     int i=(3, 4, 5)+(4,6,4)-(4,4);     std::cout &lt;&lt; i; }</pre>			
<p>Answers:</p> <ul style="list-style-type: none"> <li>A. 3.</li> <li>B. 6 .</li> <li>C. 5.</li> <li>D. Error.</li> </ul>			

Chapter: [1]	Introduction to computer programming		
Section:[4]	Numbers and their operators		
C++ Certified Associate Programmer (CPA)	Chapter: [1]	Section:[4]	Question type: [Multiple-choice]
Subject: [Scope of a variable]			Question Number: [2]
Question: How many errors are present in the following code ?			
<pre> #include&lt;iostream&gt; #define YO int main() void Hero(int x) {     int x = 5;     std::cout &lt;&lt; x; } YO {     int i = (5,3,4,5);      Hero(i); } </pre>			
<p>Answers:</p> <ul style="list-style-type: none"> <li>A. 0.</li> <li>B. 1.</li> <li>C. 2.</li> <li>D. 3.</li> </ul>			

## ANSWER KEY

Correct answers:  
Q1 - C.

Explanation: -

Correct answers:  
Q2 - B.

Explanation: error variable 'x' defined twice