

Quiz: Chapter 2

Due Jun 12 at 11:59pm **Points 100** **Questions 40**

Available until Jul 21 at 11:59pm **Time Limit** 80 Minutes

Allowed Attempts Unlimited

Instructions

This quiz consists of 40 questions from Chapter 2. You have 80 minutes to complete the quiz. You may retake this quiz as many times as you would like. You cannot use your textbook or any other materials, so make sure you are familiar with the content prior to taking the quiz.

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Attempt History

	Attempt	Time	Score
KEPT	<u>Attempt 7</u>	16 minutes	97.5 out of 100
LATEST	<u>Attempt 7</u>	16 minutes	97.5 out of 100
	<u>Attempt 6</u>	8 minutes	92.5 out of 100
	<u>Attempt 5</u>	6 minutes	82.5 out of 100
	<u>Attempt 4</u>	4 minutes	87.5 out of 100
	<u>Attempt 3</u>	27 minutes	87.5 out of 100
	<u>Attempt 2</u>	18 minutes	87.5 out of 100
	<u>Attempt 1</u>	49 minutes	77.5 out of 100

!
Correct answers are hidden.

Score for this attempt: **97.5** out of 100

Submitted Jun 12 at 2:38pm

This attempt took 16 minutes.

Question 1**2.5 / 2.5 pts**

In C++, reserved words are the same as predefined identifiers.

- False
- True

Question 2**2.5 / 2.5 pts**

The expression `static_cast<int>(9.9)` evaluates to ____.

- 9.0
- 10
- 9.9
- 9

Question 3**2.5 / 2.5 pts**

A(n) _____ is a sequence of zero or more characters.

- int
- char

string double**Question 4****2.5 / 2.5 pts**

The expression `static_cast<int>(6.9) + static_cast<int>(7.9)` evaluates to ____.

 14 15 14.8 13**Question 5****2.5 / 2.5 pts**

Which of the following is a legal identifier?

 1program program! program 1 program_1

Question 6**2.5 / 2.5 pts**

A comma is also called a statement terminator.

- True
- False

Question 7**2.5 / 2.5 pts**

Suppose that alpha and beta are int variables. The statement

```
alpha = --beta;
```

is equivalent to the statement(s) ____.

- alpha = beta - 1;
- alpha = 1 - beta;
- beta = beta - 1;
- alpha = beta;
- alpha = beta;
- beta = beta - 1;

Question 8**2.5 / 2.5 pts**

Suppose that alpha and beta are int variables. The statement

```
alpha = beta++;
```

is equivalent to the statement(s) ____.

alpha = 1 + beta;

beta = beta + 1;

alpha = beta;

alpha = alpha + beta;

alpha = beta;

beta = beta + 1;

Question 9

2.5 / 2.5 pts

The maximum number of significant digits in values of the double type is 15.

True

False

Question 10

2.5 / 2.5 pts

____ is a valid int value.

462.59

46259

46,259 -32.00**Question 11****2.5 / 2.5 pts**

A mixed arithmetic expression contains all operands of the same type.

 False True**Question 12****2.5 / 2.5 pts**

Suppose that sum and num are int variables and sum = 5 and num = 10. After the statement

```
sum += num
```

executes, ____.

 sum = 15 sum = 5 sum = 0 sum = 10

Question 13**2.5 / 2.5 pts**

The maximum number of significant digits in float values is up to 6 or 7.

- False
- True

Question 14**2.5 / 2.5 pts**

If a C++ arithmetic expression has no parentheses, operators are evaluated from left to right.

- False
- True

Question 15**2.5 / 2.5 pts**

_____ are executable statements that inform the user what to do.

- Named constants
- Prompt lines
- Expressions
- Variables

Question 16**2.5 / 2.5 pts**

Suppose that alpha and beta are int variables. The statement

```
alpha = beta--;
```

is equivalent to the statement(s) ____.

```
alpha = beta;
```

beta = beta - 1;

alpha = beta - 1;

```
beta = beta - 1;
```

alpha = beta;

alpha = 1 - beta;

Question 17**2.5 / 2.5 pts**

Suppose that alpha and beta are int variables and alpha = 5 and beta = 10.

```
alpha *= beta;
```

Which of the following is true after this statement executes?

alpha = 10

alpha = 50.0

alpha = 50 alpha = 5**Question 18****2.5 / 2.5 pts**

The declaration

```
int a, b, c;
```

is equivalent to which of the following?

 int abc; int a b c; inta , b, c; int a,b,c;**Question 19****2.5 / 2.5 pts**

An operator that has only one operand is called a unique operator.

 True False

Question 20**2.5 / 2.5 pts**

The escape sequence \r moves the insertion point to the beginning of the next line.

 False True**Question 21****2.5 / 2.5 pts**

Predefined functions are those that have already been written and are provided as part of the system.

 True False**Question 22****2.5 / 2.5 pts**

Suppose that alpha and beta are int variables. The statement

```
alpha = ++beta;
```

is equivalent to the statement(s) ____.

 alpha = beta; beta = beta + 1;

beta = beta + 1;

alpha = beta;

alpha = beta + 1;

alpha = alpha + beta;

Question 23

2.5 / 2.5 pts

The memory allocated for a float value is ____ bytes.

eight

sixteen

four

two

Question 24

2.5 / 2.5 pts

Suppose that count is an int variable and count = 1. After the statement

count++;

executes, the value of count is ____.

3

1

4 2**Question 25****2.5 / 2.5 pts**

Consider the following code.

```
// Insertion Point 1

using namespace std;

const float PI = 3.14;

int main()
{
    //Insertion Point 2

    float r = 2.0;

    float area;

    area = PI * r * r;

    cout << "Area = " << area << endl;

    return 0;
}

// Insertion Point 3
```

In this code, where does the include statement belong?

 Anywhere in the program Insertion Point 3 Insertion Point 1

- Insertion Point 2

Question 26**2.5 / 2.5 pts**

In a C++ program, one and two are double variables and input values are 10.5 and 30.6.

```
cin >> one >> two;
```

Which of the following is true after this statement executes?

- one = 11, two = 31
- one = 30.6, two = 30.6
- one = 10.5, two = 10.5
- one = 10.5, two = 30.6

Question 27**2.5 / 2.5 pts**

A variable is a memory location whose contents can be changed.

- True
- False

Question 28**2.5 / 2.5 pts**

Choose the output of the following C++ statement:

```
cout << "Sunny " << '\n' << "Day " << endl;
```

Sunny \nDay

Sunny

Day

Sunny \n

Day

Sunny \nDay endl

Question 29**2.5 / 2.5 pts**

Which of the following is a reserved word in C++?

Char

character

CHAR

char

Question 30**2.5 / 2.5 pts**

Which of the following is the newline character?

 \r \l \b \n**Question 31****2.5 / 2.5 pts**

Comments can be used to identify the authors of the program, give the date when the program is written or modified, give a brief explanation of the program, and explain the meaning of key statements in a program.

 True False**Question 32****2.5 / 2.5 pts**

Suppose $a = 5$. After the execution of the statement $++a$; the value of a is 6.

 True

False**Question 33****2.5 / 2.5 pts**

Suppose that sum is an int variable. The statement

```
sum += 7;
```

is equivalent to the statement

```
sum = sum + 7;
```

 True False**Question 34****2.5 / 2.5 pts**

_____ rules determine the meaning of instructions.

 Semantic Common Syntax General

Incorrect

Question 35**0 / 2.5 pts**

The value of the expression $17 \% 7$ is ____.

 2 4 3 1**Question 36****2.5 / 2.5 pts**

The length of the string "computer science" is ____.

 18 15 16 14**Question 37****2.5 / 2.5 pts**

An example of a floating point data type is ____.

 char

double int short**Question 38****2.5 / 2.5 pts**

The ____ rules of a programming language tell you which statements are legal, or accepted by the programming language.

 logical grammatical semantic syntax**Question 39****2.5 / 2.5 pts**

The value of the expression $33/10$, assuming both values are integral data types, is ____.

 3.3 3 3.0 0.3

Question 40**2.5 / 2.5 pts**

_____ is a valid char value.

"A"

'A'

"-129"

129

Quiz Score: **97.5** out of 100