

1. Какво ще изведе програмата по-долу?

```
#include <iostream>
using namespace std;
int main(){

    int k, num=30;
    k = (num>5 ? (num <=10 ? 100 : 200) : 500);
    cout << num << endl;
    return 0;
}
```

200

500

100

30

2. Ако размерът на `char`=1, `int`=4, и `float`=4 байта, какъв ще бъде изходът на следната програма?

```
char ch = 'A';
cout<<sizeof(ch)<<sizeof('A')<<sizeof(3.14f);
```

1, 4, 4

2, 4, 8

1, 1, 4

1, 2, 4

3. Кое не е валиден идентификатор?

rdd2

x(5)

2DATE_

A3O

4. Unsigned integers в C++ са:

Отрицателни числа

Не-отрицателни числа (положителни + 0)

Дробни числа

Нито едно от изброените

5. Variable1= expression; Кое се изчислява първо?

Variable1

expression

Both are evaluated equally

None of them

Values stored in a computer system's memory as a sequence of

A.Characters

B.Strings

C.Bits (0 and 1)

D.Float numbers

Comments are included in programs to provide explanations for human readers, and it is denoted by

A./

B./ /

C.*

D.* *

C++ requires every statement to end with a

A.Colon :

B.Question mark ?

C.Comma ,

D.Semi-colon ;

E.

Main () function must be declared

A.As a non-member function

B.In the global namespace

C.At the end of a program

D.Both A and B

C++ was developed by

A.Dennis Ritchie

B.Ada Lovelace

- C.Bjarne Stroustrup
- D.James Gosling

Unary operator means that

- A.Operator takes only one operand
- B.Operator takes two operand
- C.Operator takes no value
- D.None of them

1. Which of the following is true?

- A. 1
- B. 66
- C. .1
- D. -1
- E. All of the above

2. Which of the following is the boolean operator for logical-and?

- A. &
- B. &&
- C. |
- D. |&

3. Evaluate `!(1 && !(0 || 1))`.

- A. True
- B. False
- C. Unevaluatable

1. What is the correct value to return to the operating system upon the successful completion of a program?

- A. -1
- B. 1
- C. 0
- D. Programs do not return a value.

2. What is the only function all C++ programs must contain?

- A. start()
- B. system()
- C. main()
- D. program()

3. What punctuation is used to signal the beginning and end of code blocks?

- A. { }
- B. -> and <-
- C. BEGIN and END
- D. (and)

4. What punctuation ends most lines of C++ code?

- A. .
- B. ;
- C. :
- D. '

5. Which of the following is a correct comment?

- A. */ Comments */
- B. ** Comment **
- C. /* Comment */
- D. { Comment }

6. Which of the following is not a correct variable type?

- A. float
- B. real
- C. int
- D. double

7. Which of the following is the correct operator to compare two variables?

- A. :=
- B. =
- C. equal
- D. ==