

Course: CPA - Programming Essentials

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https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-quiz-12

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Module 3 Quiz

● Online

Progress (10%)

☰

Item 1/10

Time Left: 14:58

What is the output of the following program?

```
#include <iostream>
using namespace std;
int main(void) {
    int a = 8, b = 0, c = 6;
    try {
        c = a / b;
    }
    cout << c << endl;
    return 0;
}
```

☒ the program will cause a compilation error

☐ 6

☐ 8

☐ 4

Next →

The “catch” clause is not defined.

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Module 3 Quiz

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Progress (20%)

☰

Item 2/10

Time Left: 14:42

What is the output of the following program?

```
#include <iostream>
using namespace std;
int main(void) {
    int b = 4, *c = NULL, i = -1;
    try {
        c = new int [i];
        b--;
    } catch(exception &e) {
        c = new int[1];
        b++;
    }
    cout << b << endl;
    return 0;
}
```

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☐ 4

☐ the program will cause a compilation error

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Progress (30%)

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Item 3/10

Time Left: 14:31

What is the output of the following program?

```
#include <iostream>
using namespace std;
class A {
public: static int a;
    |   A() { a++; }
};
int A::a = 1;
void f(void) {
    A a;
    throw string("?");
}
int main(void) {
    A a;
    try { f(); }
    catch (string &s) {
    }
    cout << A::a << endl;
    return 0;
}
```

☒ 3

☐ the program will cause a compilation error

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Progress (40%)

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Item 4/10

Time Left: 14:22

What is the output of the following program?

```
#include <iostream>
using namespace std;
class A {
public: static int a;
    |   A() { a++; }
};
int A::a = 0;
void F(void) {
    A a;
    throw A();
}
int main(void) {
    A a;
    try { F(); }
    catch (...) {
    }
    cout << A::a << endl;
    return 0;
}
```

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☒ 3

☐ the program will cause a compilation error

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Progress (50%)

☰

Item 5/10

Time Left: 14:13

What is the output of the following program?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;
void f(void) {
    throw domain_error("err");
}
int main(void) {
    int a = 4;
    try { f(); }
    catch (runtime_error &e) {
        | a--;
    }
    catch (...) {
        | a++;
    }
    cout << a << endl;
    return 0;
}
```

☐ 4

☐ the program will cause a compilation error

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Progress (60%)

Item 6/10

Time Left: 14:03

What is the output of the following program?

```
#include <iostream>
#include <exception>
using namespace std;
void f(void) {
    throw exception("?");
}
int main(void) {
    int a = 4;
    try { f(); }
    catch (...) {
        a++;
    }
    catch (exception &e) {
        a--;
    }
    cout << a << endl;
    return 0;
}
```

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☐ the program will cause a compilation error

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"Exception" class has not constructor accepting a string parameter.

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Progress (70%)

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Item 7/10

Time Left: 13:54

What is the output of the following program?

```
#include <iostream>
#include <exception>
using namespace std;
int i = 1;
void f(void) {
    throw 1;
    i++;
}
void g(void) {
    i++;
    try { f(); }
    catch(int &i) {
        | throw ++i;
    }
}
int main(void) {
    try { g(); i++; }
    catch(...) { i++; }
    cout << i << endl;
    return 0;
}
```

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☐ the program will cause a compilation error

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Progress (80%)

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Item 8/10

Time Left: 13:43

What is the output of the following program?

```
#include <iostream>
#include <exception>
using namespace std;
int i = 1;
void f(void) {
    i++;
    throw 1;
    i++;
}
void g(void) {
    i++;
    f();
    i++;
}
int main(void) {
    try { g(); i++; }
    catch(...) { i++; }
    cout << i << endl;
    return 0;
}
```

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☒ 4

☐ the program will cause a compilation error

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Progress (90%)

Item 9/10

Time Left: 13:34

What is the output of the following program?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;
int i = 1;
class A : public logic_error {
public: A() : logic_error("?") {}
};
class B : public logic_error {
public: B() : logic_error("!") {}
};
void f(void) {
    i++;
    throw B();
    i++;
}
void g(void) {
    try { f(); }
    catch(A &a) { throw A(); }
}
int main(void) {
    try { g(); i++; }
    catch(logic_error &l) { i++; }
    catch(...) { i++; }
    cout << i << endl;
    return 0;
}
```

☐ 4

☐ the program will cause a compilation error

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Progress (100%)

Item 10/10

Time Left: 13:24

What is the output of the following program?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;
int i = 3;
class A : public runtime_error {
public: A() : runtime_error("?") {}
};
class B : public logic_error {
public: B() : logic_error("!") {}
};
void f(void) {
    i++;
    throw B();
    i++;
}
void g(void) {
    try { f(); }
    catch(A &a) { throw A(); }
}
int main(void) {
    try { g(); i++; }
    catch(logic_error &l) { i++; }
    catch(...) { i++; }
    cout << i << endl;
    return 0;
}
```

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☐ 4

☐ the program will cause a compilation error

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