

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍 ☆ ⚙️ GP

Module 3 Test

● Online

Progress (5%)

Item 1/20

Time Left: 29:57

What is the output of the following snippet?

```
#include <iostream>
using namespace std;
class X {
public:
    X(void) { cout << 0; }
    ~X(void) { cout << 2; }
};

int main(void) {
    try {
        X *x = new X();
        throw true;
        delete x;
    } catch(bool s) {
        cout << s;
    }
    return 0;
}
```

☐ Execution fails

☐ Compilation fails

☐ 021

☒ 01

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). ✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍 ☆ ⚙️ GP ...

Module 3 Test

● Online

Progress (10%)

☰

Item 2/20

Time Left: 29:46

What is the output of the following snippet?

```
#include <iostream>
#include <exception>

using namespace std;

int main() {
    try {
        | throw 2/4;
    }
    catch(int i) {
        | cout << i;
    }
    return 0;
}
```

☐ Compilation fails

☐ 0.5

☐ Execution fails

☒ 0

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

GP

⋮

Module 3 Test

● Online

Progress (15%)

☰

Item 3/20

Time Left: 29:25

What is the output of the following snippet?

```
#include <iostream>
using namespace std;
class X {
public:
    X(void) throw(int) { cout << 1; }
    ~X(void) throw(int) { cout << 2; }
    void exec() { throw 0; }
};

void exec(X &x) {
    x.exec();
}

int main(void) {
    X x;
    try {
        exec(x);
    } catch(int &i) {
        cout << i;
    }
    return 0;
}
```

In new compilers (C++ 17) the "throw" statement after function declaration is not allowed and compilation fails.

☐ Execution fails

☐ 120

☒ 102

☐ Compilation fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). ✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍 ☆ ⚙️ GP

Module 3 Test

● Online

Progress (20%)

Item 4/20

Time Left: 29:11

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class E {};

void f(int i) {
    E e;
    switch(i) {
        case 0 : throw e;
        case 1 : throw se;
    }
    cout << 0;
}

int main(void) {
    try {
        f(2);
    } catch(E*) {
        cout << 1;
    } catch(E) {
        cout << 2;
    }
    return 0;
}
```

2

Compilation fails

0

1

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

Course: CPA - Programming Ess...

Edube Interactive :: Module 3 Test

+

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍 ☆ ⚙️ GP ...

Module 3 Test

Online

Progress (25%)

☰

Item 5/20

Time Left: 28:58

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class E {};

class X {
    static int c;
public:
    X() { if(c++ > 2) throw new E; }
    ~X() { if(c++ > 2) throw new E; }
};

int X::c = 0;

void f(int i) {
    X a,b;
    cout << i;
}

int main(void) {
    try {
        f(0);
        f(1);
    } catch(...) {
        cout << 1;
    }
    return 0;
}
```

☐ Compilation fails

☐ 0

☒ 01

☐ Execution fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

🌟

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (30%)

☰

Item 6/20

Time Left: 28:21

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class Int {
public:
    int v;
    Int(int a) : v(a) {}
};

void a() {
    throw 0;
}

void b() {
    try {
        a();
    } catch(int i) {
        throw Int(i + 1);
    }
}

void c() {
    try {
        try {
            b();
        } catch(...) {
            throw;
        }
    }
}

int main(void) {
    try {
        c();
    } catch(Int &i) {
        cout << i.v;
    }
    return 0;
}
```

☐ Compilation fails

☒ 1

☐ 2

☐ 0

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

Module 3 Test

Online

Progress (35%)

Item 7/20

Time Left: 28:07

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class X : public domain_error {
public:
    X() : domain_error("0") {};
};

void z() throw(X) {
    X x;
    throw x;
    cout << 1;
}

int main(void) {
    X x;
    try {
        z();
    } catch (X &i) {
        cout << 1;
    }
    catch (domain_error &i) {
        cout << 0;
    }
    return 0;
}
```

☐ Execution fails

☒ 1

☐ 0

☐ Compilation fails

← Prev

Next →

In new compilers (C++ 17) the “throw” statement after function declaration is not allowed and compilation fails.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

🌟

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (40%)

☰

Item 8/20

Time Left: 27:55

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class Int {
public:
    int v;
    Int(int a) : v(a) {}
};

void a() {
    throw Int(1);
}

void b() {
    try {
        a();
    } catch(Int &i) {
        throw Int(i.v + 1);
    }
}

void c() {
    try {
        try {
            b();
        } catch(...) {
            throw;
        }
    }
}

int main(void) {
    try {
        c();
    } catch(Int &i) {
        cout << i.v;
    }
    return 0;
}
```

☒ 2

☐ 1

☐ Compilation fails

☐ 0

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

...

Module 3 Test

Online

Progress (45%)

☰

Item 9/20

Time Left: 27:45

What is the output of the following snippet?

```
#include <iostream>
#include <exception>

using namespace std;

int main() {
    try {
        throw 2./4;
    }
    catch(int i) {
        cout << i;
    }
    return 0;
}
```

☐ Execution fails

☐ 0.5

☐ Compilation fails

☐ 0

← Prev

Next →

The exception is not caught.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (50%)

☰

Item 10/20

Time Left: 27:32

What is the output of the following snippet?

```
#include <iostream>
#include <string>
using namespace std;
class X {
public:
    X(void) { cout << 1; }
    ~X(void) { cout << 2; }
};
void exec() {
    {
        X x;
    }
    throw string("0");
}

int main(void) {
    try {
        exec();
    } catch(string s) {
        cout << s;
    }
    return 0;
}
```

☐ Compilation fails

☐ 102

☒ 120

☐ Execution fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (55%)

Item 11/20

Time Left: 27:20

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class X : public runtime_error {
public:
    X() : domain_error("0") {};
};

void z() throw(X) {
    X x;
    throw x;
    cout << 1;
}

int main(void) {
    X x;
    try {
        z();
    } catch (X &i) {
        cout << 1;
    }
    catch (domain_error &i) {
        cout << 0;
    }
    return 0;
}
```

☐ Execution fails

☐ 1

☐ 0

☒ Compilation fails

← Prev

Next →

"domain_error" is not a subclass of "runtime_error"

In new compilers (C++ 17) the "throw" statement after function declaration is not allowed and compilation fails.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Ess...

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

...

Module 3 Test

Online

Progress (60%)

☰

Item 12/20

Time Left: 27:09

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class E {};

class X {
public:
    static int c;
    X(int a) { c = a; }
    ~X() { if(c++ > 2) throw new E; }
};

int X::c = 0;

void f(int i) {
    X* t[2];
    for(int j = 0; j < i; j++)
        t[j] = new X(i+1);
    for(int j = 0; j < i; j++)
        delete t[j];
}

int main(void) {
    try {
        f(2);
    } catch(...) {
        cout << X::c;
    }
    return 0;
}
```

☒ 3

☐ 2

☐ 2

☐ Compilation fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

Module 3 Test

Online

Progress (65%)

Item 13/20

Time Left: 26:58

What is the output of the following snippet?

```
#include <iostream>
#include <exception>

using namespace std;

int main() {
    try {
        throw 3.14;
    }
    catch(double x) {
        x *= 2;
    }
    cout << x;
    return 0;
}
```

It prints a non-empty string

Compilation fails

It prints an empty string

Execution fails

← Prev

Next →

Variable "x" is not defined outside the "catch" block.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (70%)

☰

Item 14/20

Time Left: 26:46

What is the output of the following snippet?

```
#include <iostream>
using namespace std;
class X {
public:
    X(void) throw(int) { cout << 1; }
    ~X(void) throw(int) { cout << 2; }
    void exec() { throw string("0"); }
};

void exec(X x) {
    x.exec();
}

int main(void) {
    X x;
    try {
        exec(x);
    } catch(int e) {
        cout << 1;
    }
    return 0;
}
```

☐ 120

☐ 102

☐ Compilation fails

☒ Execution fails

← Prev

Next →

In new compilers (C++ 17) the “throw” statement after function declaration is not allowed and compilation fails.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (75%)

☰

Item 15/20

Time Left: 26:35

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class E {};

void f(int i) {
    E e;
    switch(i) {
        case 0 : throw e;
        case 1 : throw se;
    }
    cout << 0;
}

int main(void) {
    try {
        f(1);
    } catch (void *) {
        cout << 2;
    } catch (E*) {
        cout << 1;
    }
    return 0;
}
```

☐ 0

☒ 2

☐ 1

☐ Compilation fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (80%)

☰

Item 16/20

Time Left: 26:26

What is the output of the following snippet?

```
#include <iostream>
#include <exception>

using namespace std;

int main() {
    try {
        throw exception();
    }
    catch(exception &x) {
        cout << x.what();
    }
    return 0;
}
```

☐ Execution fails

☐ It prints an empty string

☒ It prints a non-empty string

☐ Compilation fails

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (85%)

☰

Item 17/20

Time Left: 26:16

What is the output of the following snippet?

```
#include <iostream>
#include <exception>

using namespace std;

int main() {
    throw 2/4;
    catch(int i) {
        cout << i;
    }
    return 0;
}
```

☐ Execution fails

☐ Compilation fails

☐ 0

☐ 0.5

← Prev

Next →

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (90%)

☰

Item 18/20

Time Left: 26:06

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class X : public logic_error {
public:
    X() : logic_error("0") {};
};

void z() throw(logic_error) {
    X x;
    throw x;
    cout << 1;
}

int main(void) {
    X x;
    try {
        z();
    } catch(logic_error &i) {
        cout << i.what();
    }
    return 0;
}
```

☒ 0

☐ Compilation fails

☐ Execution fails

☐ 1

← Prev

Next →

In new compilers (C++ 17) the "throw" statement after function declaration is not allowed and compilation fails.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#).

✕

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

← → ↺

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍 ⭐ ⚙️ GP ...

Module 3 Test

● Online

Progress (95%)

☰

Item 19/20

Time Left: 25:58

What is the output of the following snippet?

```
#include <iostream>
#include <exception>
#include <stdexcept>
using namespace std;

class X : public logic_error {
public:
    X() : logic_error("0") {};
};

void z() throw(X) {
    throw new logic_error("0");
}

int main(void) {
    X x;
    try {
        z();
    } catch (X &i) {
        cout << i.what();
    }
    return 0;
}
```

☐ Execution fails

☐ 120

☐ Compilation fails

☐ 102

← Prev

Next →

In new compilers (C++ 17) the "throw" statement after function declaration is not allowed and compilation fails.

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X

Course: CPA - Programming Essentials

Edube Interactive :: Module 3 Test

+

←

→

↺

🔒

https://edube.org/quiz/cpp-essentials-part-2-v20/module-3-test-11

🔍

☆

🔖

🔗

GP

⋮

Module 3 Test

Online

Progress (100%)

☰

Item 20/20

Time Left: 25:49

What is the output of the following snippet?

```
#include <iostream>
using namespace std;
class X {
public:
    X(void) { cout << 1; }
    ~X(void) { cout << 2; }
};
X *exec() {
    X *x = new X();
    throw string("0");
    return x;
}

int main(void) {
    X *x;
    try {
        delete exec();
    } catch(string &s) {
        cout << s;
    }
    return 0;
}
```

☒ 10

☐ Compilation fails

☐ Execution fails

☐ 12

← Prev

Submit

We use cookies to improve our service. By continuing to use the site, you agree to our [privacy](#) and [cookie policies](#). X