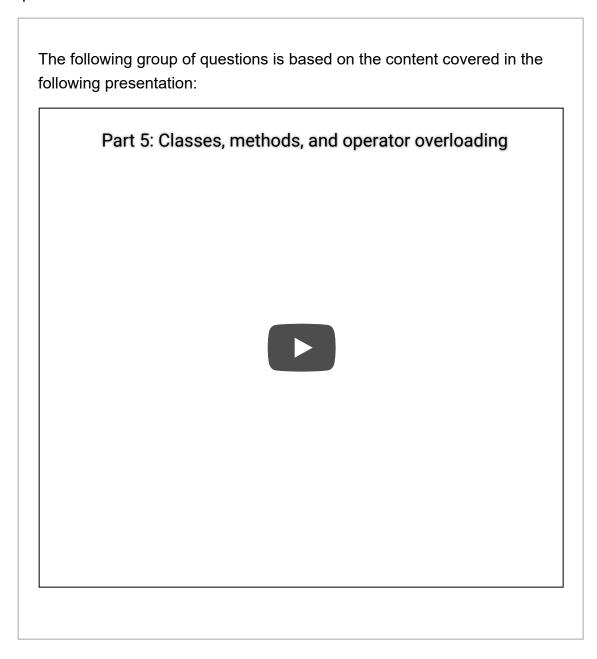
#### Week #3 Self-assessments: Classes & VS-Code Results for Maciej Wozniak

Score for this attempt: **12** out of 13 Submitted Sep 10 at 10:10pm This attempt took 6 minutes.

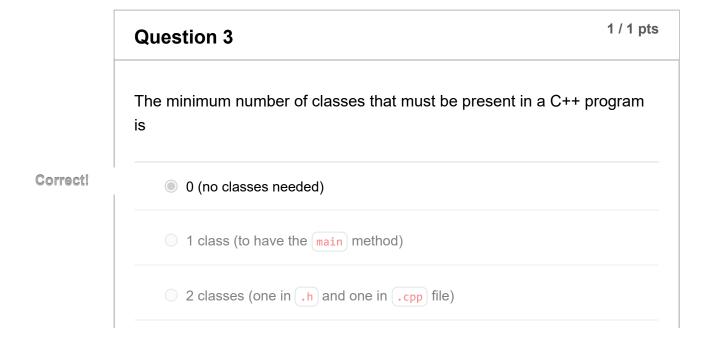


Question 1 1/1 pts

The minimum number of methods that must be defined in a class is

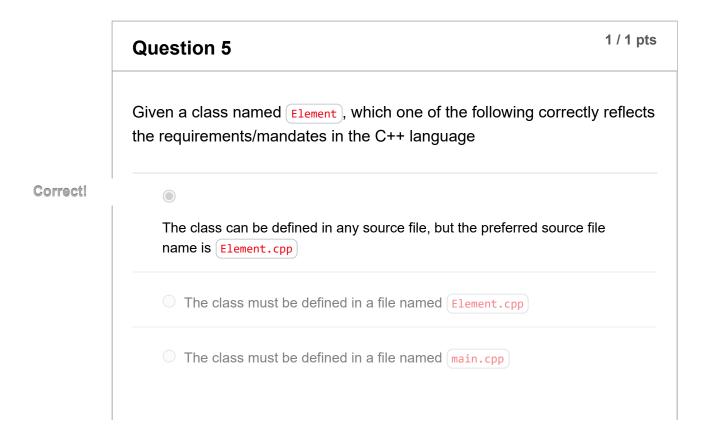
#### O (no methods needed) 1 (at least 1 constructor) 2 (1 constructor & 1 destructor) 3 (1 constructor, 1 destructor, 1 getter)

## The minimum number of instance variables that must be present in a C++ class is O (no instance variables needed) at least 1 (the whole point of a class) at least 2 (if it is just 1, use a variable instead) at least 1 public and 1 private



1 or 2 depending on the program

# In C++, given constant objects, only constant methods can be called on the object. Given the following code fragment, which one of the following methods can be called on the str object? | const std::string str = "Call me"; | size\_t size() const; | void push\_back(char c); | std::string& erase(size\_t index);

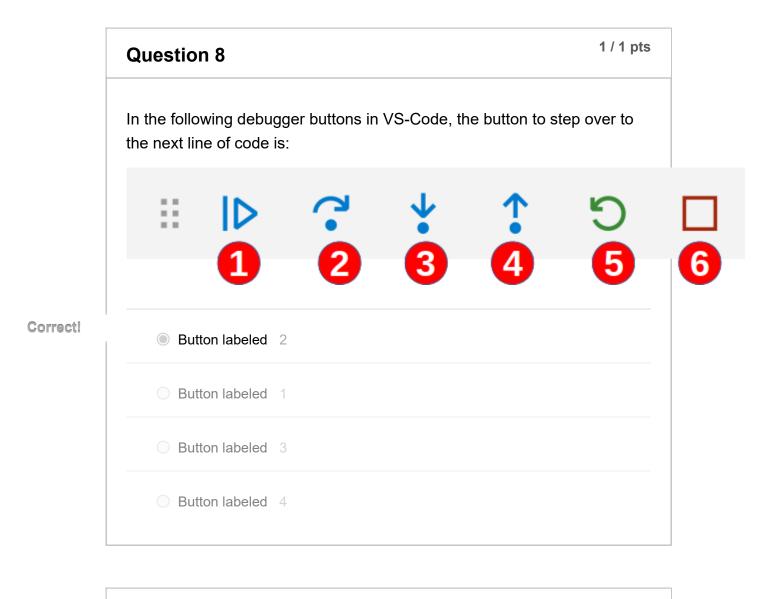


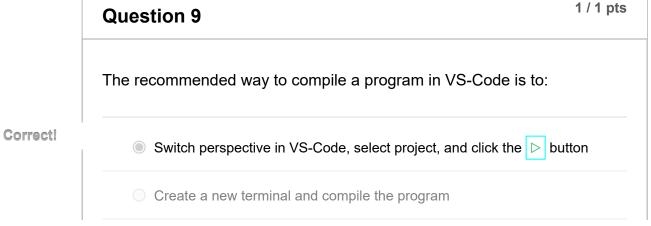
The class must be defined in file named Element.class

## Given a class named Matrix, the preferred way to declare the less-then operator is: | bool operator<(const Matrix& other) const; | int operator<(const Matrix& other) const; | bool operator<(const Matrix& m1, const Matrix& m2); | bool operator<(const Matrix& m1, const Matrix& m2) const;

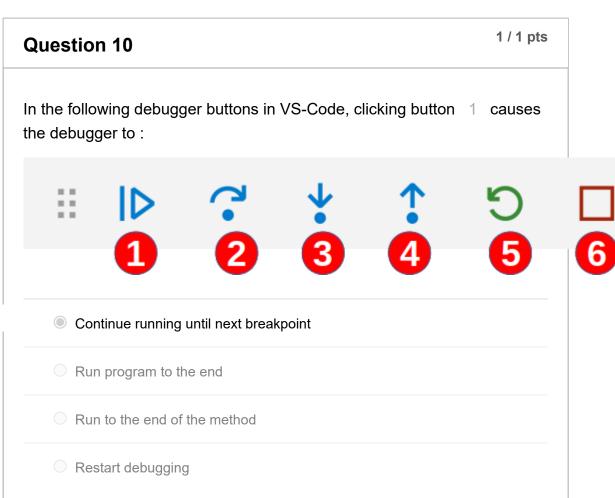
### We need to define the stream extraction operator to be a friend of a class so that Correct! It can access private instance variables, if any It can access public instance variables, if any This is just a requirement for this operator This is required only on Linux and not on Windows

The following group of questions is based on the content covered regarding VS-Code in the series of videos in OSC OnDemand & VS-Code demonstrations

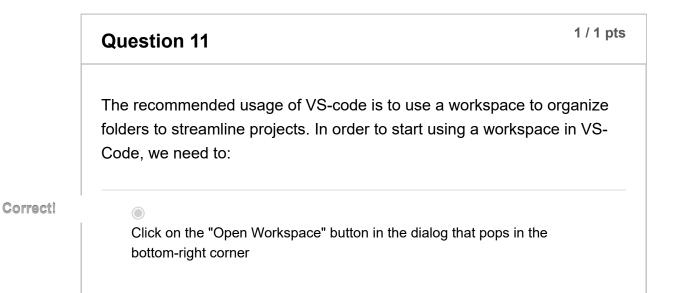




Use the "Compile project" menu option in VS-Code
Use the "Build project" option in VS-Code



Correct!



VS-Code automatically starts in our workspace because we have already configured it

The workspace folder needs to be added to VS-Code each time

VS-Code automatically starts a workspace based on previous settings

### The recommended way to create a project for use in VS-Code is to: Copy a suitable template directory Create a new workspace Use the "Create new project" option from the main menu Launch a new interactive job on OSC cluster

#### Question 13

Whenever a program is run in VS-Code, the following error message is displayed at the bottom. This error message should be:

```
==1214==LeakSanitizer has encountered a fatal error.

==1214==HINT: For debugging, try setting environment variable LSAN_OPTIONS=v

erbosity=1:log_threads=1

==1214==HINT: LeakSanitizer does not work under ptrace (strace, gdb, etc)
```

#### Correct!

Ignored as stated in the debugging demo video

Is a sign something is wrong with the program
Is a sign something is wrong with the workspace
Is a sign something is wrong with the VS-code job

Quiz Score: 12 out of 13