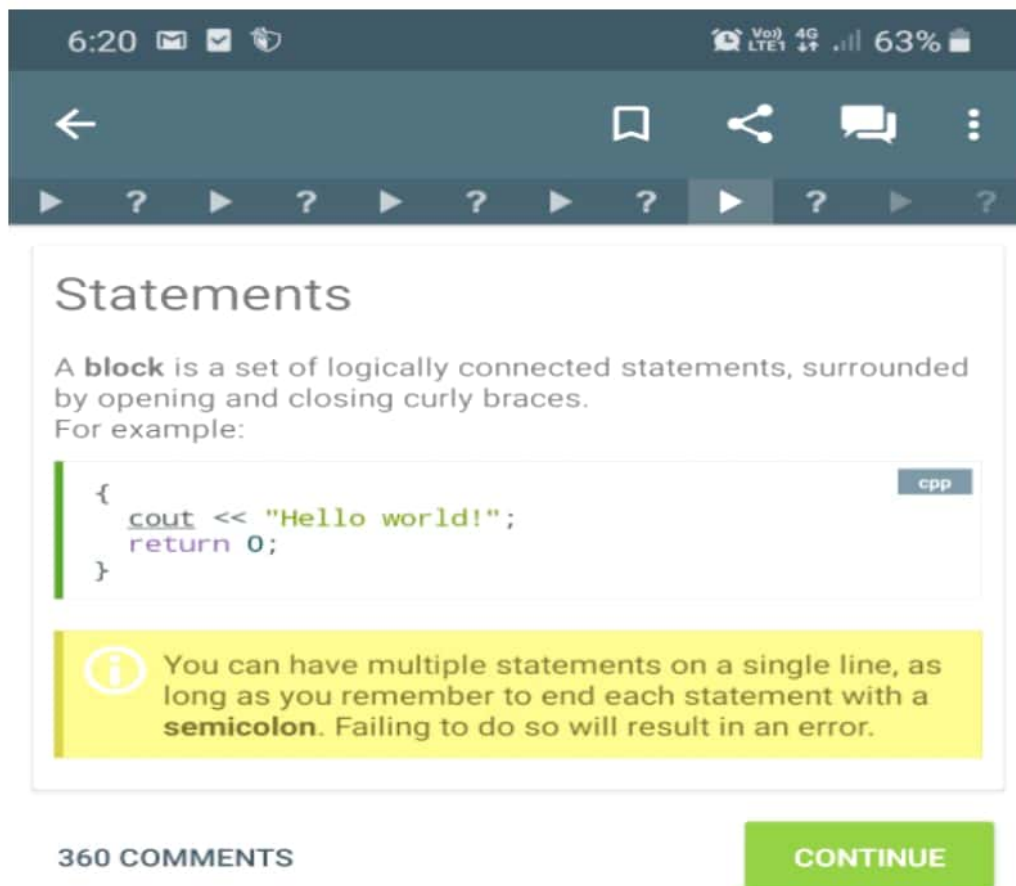


Date	22-06-2020	Name	PREETHAM S RAI
Course	C++ programming	USN	4AL18EC040
Topic	Basic concepts Conditionals and loops	Semester and section	4 th sem A sec
GitHub Repository	Psraipreetham		

Images



The screenshot shows a mobile application interface. At the top, there's a status bar with the time 6:20, signal strength, and battery level at 63%. Below the status bar is a navigation bar with a back arrow, a bookmark icon, a share icon, a comment icon, and a menu icon. Underneath the navigation bar is a progress bar with several play icons, some of which are highlighted. The main content area is titled 'Statements' and contains a definition: 'A **block** is a set of logically connected statements, surrounded by opening and closing curly braces. For example:'. Below this is a code block with C++ code:

```
{  
    cout << "Hello world!";  
    return 0;  
}
```

. A yellow callout box with an information icon states: 'You can have multiple statements on a single line, as long as you remember to end each statement with a **semicolon**. Failing to do so will result in an error.' At the bottom left, it says '360 COMMENTS', and at the bottom right, there is a green 'CONTINUE' button.



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Basic Concepts

What is C++

Hello, World!

Getting the Tools

Integrated Development Environment (IDE).

Compiler

Variables

Working with Variables

More on Variables

Data types in c++

int: These type of variables holds integer value.

char: holds character

bool: holds boolean value true or false.

double: double-precision floating point value.

float: Single-precision floating point value.

Basic Arithmetic Operations

Assignment and Increment Operators

Conditionals and Loops

if Statement

Syntax : If(TRUE)

Execute the next statement

else Statement

When if statement false else part will execute

while Loop



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The syntax of a while loop is

```
while(condition)
{ statement(s); }
```

Using a while Loop

For loop

```
Syntax : for (initialization; condition; update)
{
    body of the loop
}
```

do... while Loop

This loop will execute the code block once, before checking if the condition is true, then it will repeat the loop as long as the condition is true.

```
Syntax : do
{
    code block to be executed
}
while (condition);
```

Switch Statement

Logical Operators

