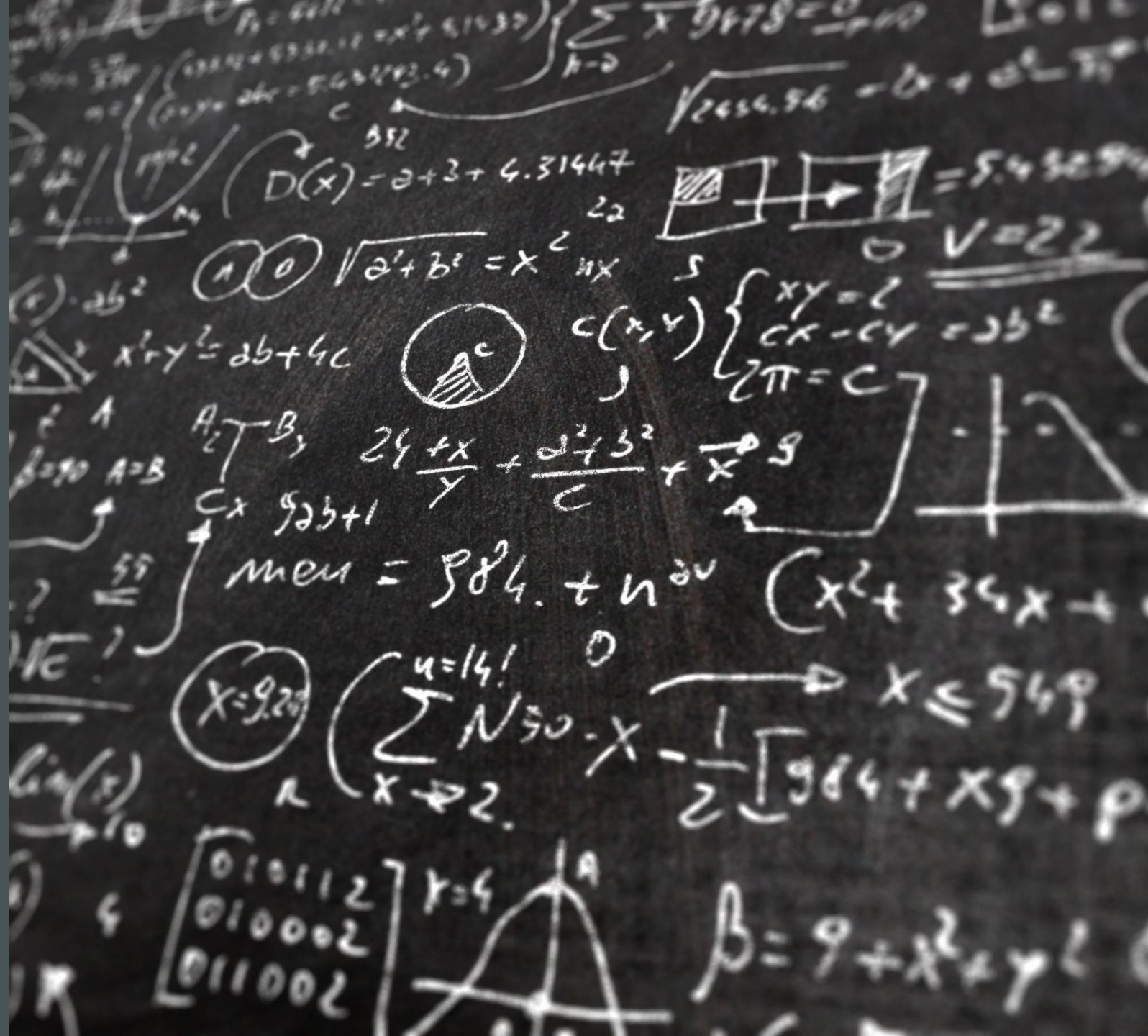


C++ PROGRAMMING

Tips, tricks, and
Understandings

```
mirror_mod = modifier_ob.  
set mirror object to mirror  
mirror_mod.mirror_object =  
operation == "MIRROR_X":  
mirror_mod.use_x = True  
mirror_mod.use_y = False  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True  
selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.  
mirror_ob.select = 0  
= bpy.context.selected_object  
data.objects[one.name].select  
print("please select exactly  
-- OPERATOR CLASSES ----  
types.Operator):  
X mirror to the selected  
object.mirror_mirror_x"  
mirror X"  
context):  
context.active_object is not
```

BASIC COMPILATION PROCESSES OF PROGRAM

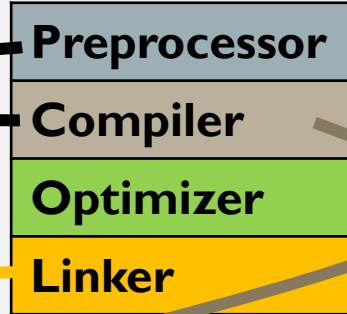


source file

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

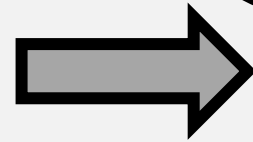
int main() {
    cout << "HELLO" <<
endl;
    return 0;
}
```

Compiling Software



Executable file

```
10001010111101
10011100111100
11000001110010
1000000111110
11001101110000
```



standard namespace
(std)

variables

iostream
cout, cin, endl

functions

classes

user defined
namespace

variables

functions

classes

variables

functions

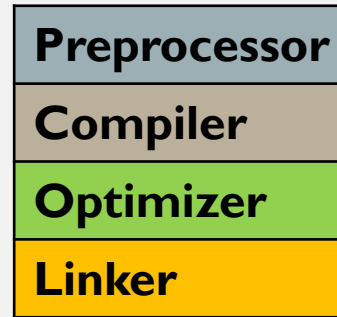
classes

source file

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

int main( ) {
    cout << "HELLO" <<
endl;
    return 0;
}
```

Compiling Software



Executable file

```
10001010111101
10011100111100
11000001110010
1000000111110
11001101010000
```

standard namespace (std)

variables

iostream
cout, cin, endl

functions

classes

user defined namespace

variables

functions

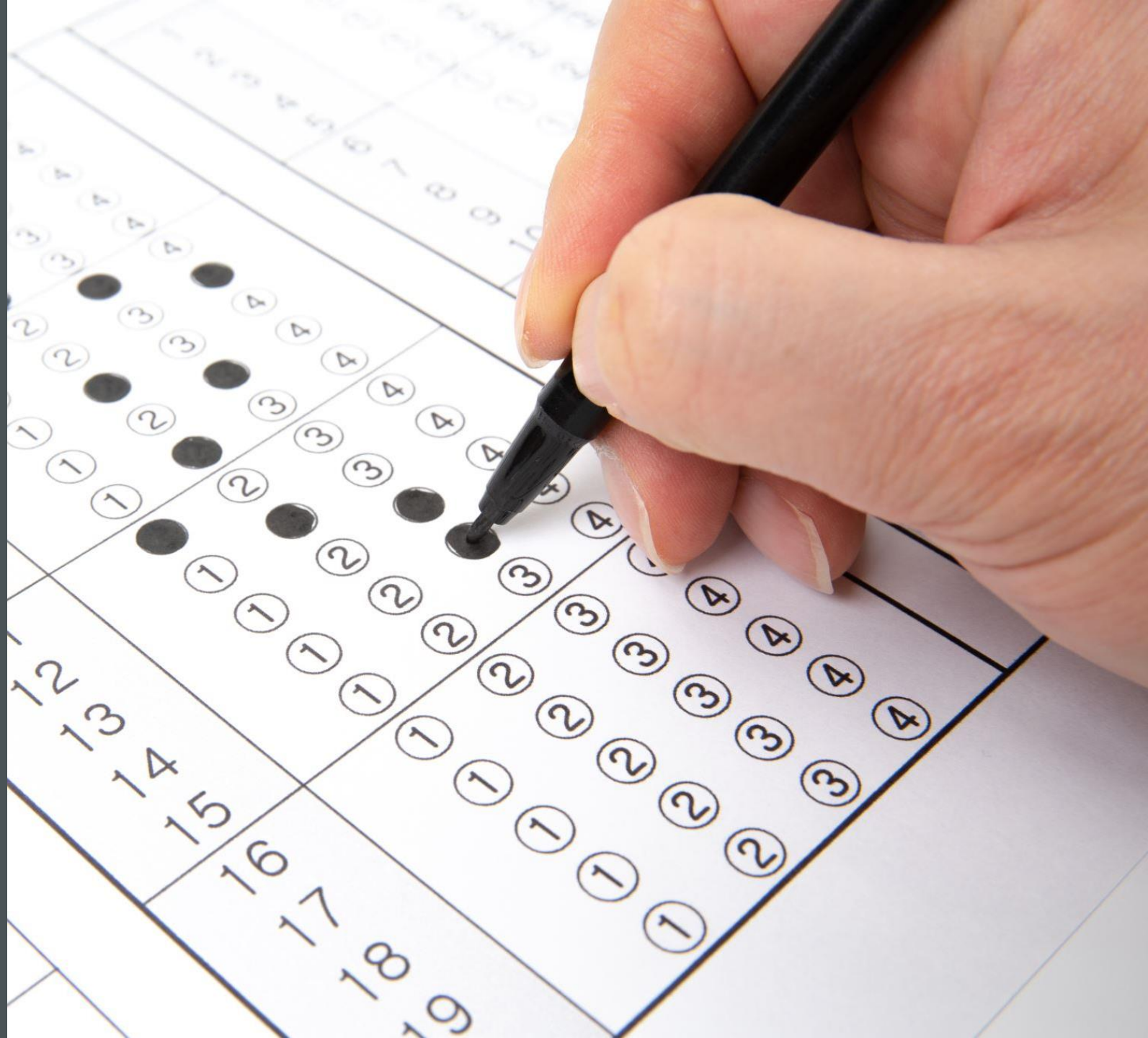
classes

variables

functions

classes

COMPILERS OF CHOICE



ONLINE (WEB BASED) C++ COMPILERS

codepad.org

cpp.sh

www.tutorialspoint.com/compile_cpp_online.php

www.codechef.com/ide

gcc.godbolt.org

ideone.com

webcompiler.cloudapp.net

turbo.net/run/CodeBlocks/codeblocks

www.naclbox.com/gallery/turboc

.....more

C++ COMPILERS (AS MOBILE APPS)

C4droid - C/C++ compiler & IDE

C Compiler IDE

CppDroid - C/C++ IDE

Turbo C++ for Android

iPhone OS C/C++ Compiler

C/C++ Compiler IPA

C/C++ - offline compiler for C/C++ on iOS

CppCode - offline C/C++ IDE & Compiler on iOS

.....more

FREE C++ COMPILERS & IDES

- Code::Blocks
- Eclipse C++
- Visual C++ 2015 Community
- Borland C++ Compiler
- Turbo C++
- GCC
- Xcode
- Cygwin
- clang
- Intel C++
- Dev-C++
-more

COMMERCIAL C++ COMPILERS & IDES

- C++Builder
- NetBeans C++
- Green Hills C++
- Paradigm C++
- Microsoft Visual Studio
- PGI C/C++ Workstation
- Borland C++
- Comeau C/C++
- XL C++ compiler
- Digital Mars
-more

TOP REFERENCES

- A Tour of C++ Bjarne Stroustrup
- Programming -- Principles and Practice using C++
- The C++ Programming Language
- The Design and Evolution of C++
- Learning Standard C++ as a New Language
- The C Programming Language
- Professional C++
- Effective Modern C++
- The Complete Reference C++
- Modern C++ Design
- C++ Succinctly
- C++ The Core Language
- C++ Gotchas
- C++ How To Program
- Thinking in C++
- Effective C++
- C++ Primer Plus
- Programming with C++
-