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The first step is to locate the directory of your project on your local machine. In my case I kept it on the Desktop. Next you will need to change directories to within the project folder where the makefile and main.cpp file live.

```
cd Desktop
```

```
cd Assignment5
```

After accessing your program folder, you will need to run G++ on the main file in order to compile it.

```
g++ *.cpp
```

Next you will type, ./a.out

Your program should run!

After tests pass, type

```
cat avada
```

```
cat kedavera
```

```
jordanscandlyn:~ Jordan$ cd Desktop
jordanscandlyn:Desktop Jordan$ cd Assignment5
jordanscandlyn:Assignment5 Jordan$ g++ *.cpp
jordanscandlyn:Assignment5 Jordan$ ./a.out
--- Testing map_item default constructor initializes to E ---
PASS
--- Testing map_item constructor accepts char ---
PASS
--- Testing map_item sets type correctly ---
PASS
--- Testing map_item gets type correctly ---
PASS
--- Testing map_item implements ostream << (visual comparison required) ---
EXPECTED:
K
IMPLEMENTED:
K
--- Testing map_item implements ifstream/ofstream ---
PASS
--- Testing map size is correct ---
PASS
--- Testing map default building is 'E' ---
PASS
--- Testing map builds correctly ---
PASS
--- Testing map builds correctly (inverted coordinates) ---
PASS
--- Testing map implements ostream << (visual comparison required) ---
EXPECTED:
E O E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
IMPLEMENTED:
E O E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
```

```
PASS
--- Testing map implements ostream << (visual comparison required) ---
EXPECTED:
E O E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E

IMPLEMENTED:
E O E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E
E E E E E E E E E E

--- Testing map implements ifstream/ofstream ---
PASS
jordanscandlyn:Assignment5 Jordan$ cat avada
Xjordanscandlyn:Assignment5 Jordan$ cat kedavra
\ E | E /
E \ | / E
- - | - -
E / | \ E
/ E | E \
```