

# LEDA Setup Guide for Linux and MacOSx

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## Setup

- Download LEDA for your specific OS from [here](#)
- Unzip the compressed file and rename it to LEDA.
- Find the complete path to the LEDA directory. Ex. `"/Users/sagarmas-sand/Downloads/LEDA"`. Let's call this *LEDAPATH*.

## Compilation

```
g++ -I LEDAPATH/incl -c file.cpp
g++ -L LEDAPATH file.o -lleda -lm
./a.out
```

## Sample code

```
#include <LEDA/geo/circle.h>
#include <LEDA/geo/point.h>
#include <iostream>
using namespace std;
using leda::circle;
using leda::point;

int main()
{
    point p1(0, 0), p2(0, 4), p3(2, 6);
    circle c1(p1, p2, p3);
    cout << "Radius is " << c1.radius() << endl;
    cout << "Leda linking successful" << endl;
    return 0;
}
```

## **Additional references**

For additional information, refer to Readme.txt as well as the Install folder in the LEDA directory.