

MIT-IIT Robotics Program

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Outline

- 1 Introduction
 - Instructors
 - Curriculum
- 2 Environment
 - Terminal and Basic Commands
 - Editor
- 3 Hello World

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1 Introduction

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2 Environment

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3 Hello World

- IIT Kharagpur
 - Mayank Bhushan
 - Sudarshan Sharma
 - Manish Agarwal
 - Sayan Sinha
 - Mehul
 - Rahul
- MIT
 - Amartya Shankha Biswas
 - Maya Nasr
 - Virup Gubba

- Variables, Expressions and I/O
-

Curriculum

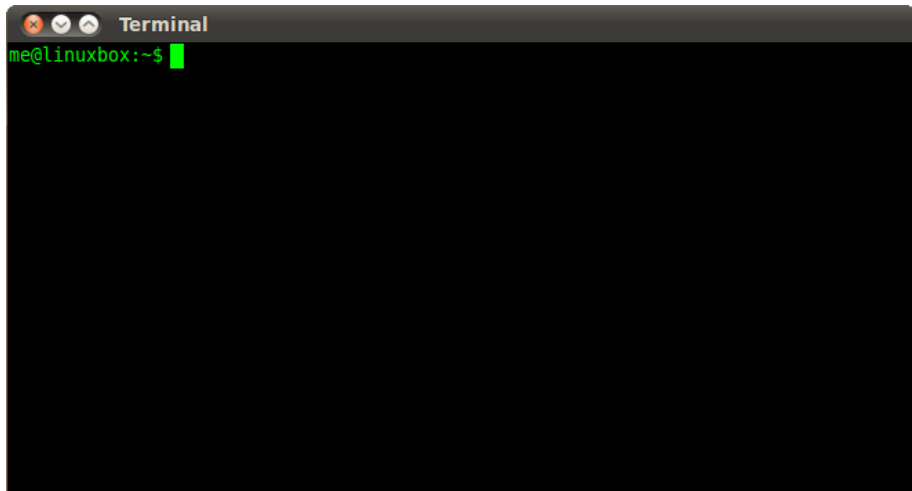
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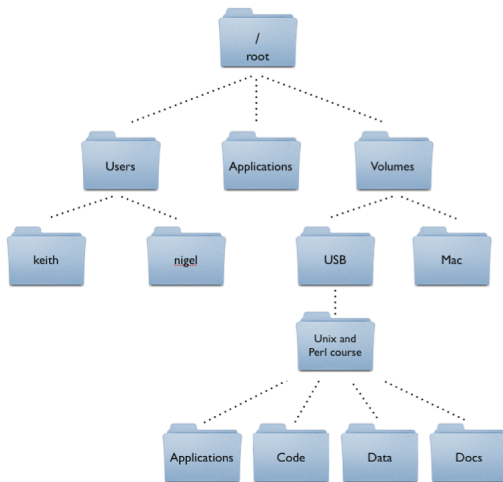
Terminal

Opening Terminal

Open a terminal window by pressing **Ctrl+Alt+T**



Directory Structure



Terminal Navigation

- Make a new directory (folder)–

```
mkdir <directory_name>
```

- Enter a directory –

```
cd <directory_name>
```

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- Write your code in a text editor
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gedit &
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- Open a file with *gedit*

```
gedit my_file.cpp &
```

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gedit my_file.cpp &
```

- Note that the file should be present in your current directory
- If file doesn't exist, it will be created

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Hello World !

The First C++ Program

```
#include <iostream>

using namespace std;

int main() {

    cout << "Hello World !" << endl;

    return 0;

}
```


Compiling and Running

- Use the following command to compile –
`g++ -Wall hello_world.cpp`
- This should create a file called **a.out** in your current directory.
- Use the following command to run the executable –
`./a.out`