



CS 225

Data Structures

January 24 – Introduction

G Carl Evans & Brad Solomon



Brad Solomon



Thierry Ramais



How to contact us?

- Admin Email


cs225admin@lists.cs.illinois.edu

- Discord

<https://discord.gg/YuEwhnR>

- Piazza

<http://piazza.com/illinois/spring2021/cs225>



ECE 220

CS 126

CS 125

INFO 490
(+others)

CS 225

CS 173

MATH 213



Everything about CS 225

<https://courses.engr.illinois.edu/cs225/>

Information on:

Staff

Communications

Lab Sections

MPs

Exams

Grading

Academic Integrity



What is this course about?





Variables in C++

```
int myFavoriteInt;
```

```
char grade = 'A';
```

```
double gamma = 0.653;
```

```
Cat katia, gwenevere;
```

```
Cube rubix;
```

```
Person evans;
```




Encapsulation



Encapsulation

Cube.h

Cube.cpp



```
1 #pragma once Cube.h
2
3 class Cube {
4     public:
5
6
7
8
9
10
11     private:
12
13
14 };
15
16
17
18
19
20
```

Cube.cpp

```
1 #include "Cube.h"
2
3 double Cube::getVolume() {
4
5
6 }
7
8
9
10
11
12
13
14
15
16
17
18
19
20
```

Cube.h

```
4 class Cube {
5     public:
6         double getVolume();
```