INCEPTION

C++ Foundation & Data Structures

Lecture 18 : OOPS - 1

Sunday, 8 October 17

Doubts from Last Class ?

Object Oriented Programming

C++ Classes

- Classes & Objects
- Data
- Functions

Classes & Objects

- Blueprint to generate instances of same nature
- Each individual instance is an object

Access Modifiers

How to create Objects?

Default methods with every class

Constructor and Default Methods

- Constructor(Java and C++)
- Copy Constructor(C++)
- Copy Assignment Operator(C++)
- Destructor(C++)

User defined constructors

When are objects created on the stack and when are they created on the heap?

Lets look at examples

Shallow & Deep copy

Fraction class

You have 25 horses and you can race only 5 of them simultaneously. Assuming you do not have access to stop-watch, how many times would you need to race the horses to find the 3 fastest horses.

Thank you

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