XX00FC41-3001

C++ PROGRAMMING

Wednesday 2022/09/28

TODAY

- Function overloading
- Struct vs Class
- Access specifiers (Public vs private)
- Encapsulation, Constructors

ANNOUNCEMENTS

- Wednesday's evening sessions: on-demand
- Question 28?
- C++ Exam: 2 tracks
- Exam grades (Sunday) + Credits (Monday)
- Algorithms (csunplugged)
- Node.JS

We will have pair-programming only in Full Stack course i.e (ma,ti,to,pe). All C++ activities will be carried in groups.

FUNCTION OVERLOADING

- Online Compiler
- Demo
- Intro
- Function overload differentiation

DATA TYPES

- **ADT**: point of view of a user
- **Data structure**: point of view of an implementer.

PROGRAM-DEFINED VS USER-DEFINED TYPES

- C++20
- Bjarne Stroustrup: Programming -- Principles and Practice Using C++

DATA STRUCTURES

- Intro
- Demo
- Passing structs by reference

OOP

- Demo
- Intro
- Encapsulation
- Classes and class members
- A note about structs in C++

Group Activity

PUBLIC AND PRIVATE MEMBERS

- Access specifiers
- Structs vs classes revisited

Group Activity

CONSTRUCTORS

- Constructors

Group Activity

READING MATERIAL

- https://www.learncpp.com/

Thank You!