Saturday, 23 January 16

Crux
Lecture -3

Programming Fundamentals-2
Functions and Arrays

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Assignment ?

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Functions

- Modifiers
- Return Type
- Name
- Arguments
- How to call Functions

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Lets move code of questions from last
class to separate function

Variables and their Scope

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Scope of variables

- Local Variables
- Argument Variables
- Variables inside loop
- Same variable names in different functions
- Same variable names within same scope

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Pass by Value

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How function calling works

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Arrays

- How to declare arrays?

- How are arrays stored in memory?

- How to access, update etc?

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Passing arrays as function parameters

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Lets write some code

- Take an integer array input from the user

- Print out sum of an array

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Your turn

- Print out the largest element in the array

- Linear Search

- Reverse an array

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BT – Greedy Pirates

A pirate ship captures a treasure of 1000 golden coins. The treasure has to be split among the 5 pirates: 1, 2, 3, 4, and 5 in order of rank. The pirates have the following important characteristics: infinitely smart, bloodthirsty, greedy. Starting with pirate 5 they can make a proposal how to split up the treasure. This proposal can either be accepted or the pirate is thrown overboard. A proposal is accepted if and only if a majority of the pirates agrees on it. **What proposal should pirate 5 make?**

Thank You !! ☺

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