**Assignment01**

Programming Fundamentals

Submission deadline: 27th March, 2021 – 10.00 PM

**Submission Guidelines:**

* You need to only submit your source file only on **google classroom within deadline.**
* Late submissions upto **15** mins are allowed with a penalty of **30%** on google classroom. After that **no** submission will be entertained
* Name the source file as “assign01-roll#.cpp”. For example **assig01-i200561.cpp**
* Submit only .cpp file
* Failing to follow the submission guidelines will result in penalties.

**STRUCTURES**

In this assignment, you will modify the **Programming Example: Sales Data Analysis** given at the end of chapter 9 of your text book (page 608 of the ebook). The modifications are listed below, rest of the programs will remain same.

* Remove all the listed functions, and write the function code within main()
* No need of the following functionalities
  + Printing Report to an output file,
  + Printing maxSalebyPerson, maxSalebyQuarter
* Add the following functions to your programs
  + function displayReport(), that should display the required report onto the screen
  + sortById(), which should sort the structure array data with respect to sales person ID
  + sortByTotalSale(), sort the structure array data with respect to Total Sale by each salesperson.
* Provide a menu to move through your program. The menu should have atleast following options:
  + Display the Report
  + Sort the Data w.r.t. Sales person ID
  + Sort the Data w.r.t. Total sale
* For input, create your own data files with the data given in the example.