



COURSE: (CL-1004) OBJECT ORIENTED PROGRAMMING LAB

LAB TASK # 09

WEIGHTAGE: 2

NOTE:

Only submit .cpp file of each question in a folder. Anyone who submits any other format file will get straight ZERO. Each question should have a separate .cpp file. Copy Paste or other UFM will also get ZERO. Use the following format for naming the folder Roll#_Name (P18-1234_NAME).

Q No.1: Define a class student with the following specification. Note for user understanding purposes you should write comment with each line of code.

Private members of class student

admno	integer
sname	20 character
eng, math, science	float
total	float
ctotal()	a function to calculate eng + math + science with float return type.

Public member function of class student

Takedata()	Function to accept values for admno, sname, eng, science and invoke ctotal() to calculate total.
Showdata()	Function to display all the data members on the screen.

Q No.2: Define a class batsman with the following specifications: Note for user understanding purposes you should write comment with each line of code.

Private members:

bcode	4 digits code number
bname	20 characters

innings, notout, runs integer type

batavg it is calculated according to the formula –

$$\text{batavg} = \text{runs} / (\text{innings} - \text{notout})$$

calcavg() Function to compute batavg

Public members:

readdata() Function to accept value from bcode, name, innings, notout and invoke
the function calcavg()

displaydata() Function to display the data members on the screen.