**Object Oriented Programming 2**

**Assignment # 2 – set function with data validation, header file, Constructor, Destructor**

**Program 1**  Define a class **Student** with the following specification

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| **Student** |
| -student id: integer -Student Name: string -eng. math, science : float |
| <<constructor>>Student()  <<constructor>> Student(sid:integer, sname:string, e: float, m: float,s: float)  +getStudentID():int  +setStudentID(int)  +getStudentName():string  +setStudentName(string)  +getEng(void):float  +setEng(float)  +getMath(void):float  +setMath(float)  +getScience(void):float  +setSceince(float)  +getTotal(void)  <<destructor>>~Student() |

**Special Note: Maths, eng, science marks should be 0 to 100.**

**Create header file Student.h. Write Student class in that file (Only structure i.e. member function porotype).**

**Include header file in your source program and implement member function of class in your source program.**

**Write menu driven program to get student details, calculate total, Display student details.**