**Object Oriented Programming 2**

**Assignment # 4 – Copy Constructor and Operator Overloading (stream insertion and extraction operator)**

**Program 1**  Please already defined class in lab assignment #2 **Student and do modification** 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)  <<constructor>> Student(Student)  +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)  friend istream & operator >> (istream &, Student &)  friend ostream & operator << (ostream &, Student & )  <<destructor>>~Student() |

**Write C++ program to demonstrate working of copy constructor, stream insertion and stream extraction operator with class Student.**

**Duration 1 hour**