Login to matrix and create a file called “quiz5.txt”.

Answer the following questions and when done enter the following command:

~fardad.soleimanloo/submit oopq5<ENTER>

Having:

#include <iostream>

using namespace std;

class Employee {

int m\_empNo;

protected:

void setEmpNo(int empNo);

int getEmpNo()const;

public:

Employee(int empNo);

virtual ostream& print(ostream& os)const=0;

};

Having:

1. Overload operator<< so an Employee is printable using cout (use print method):
2. Inherit Employee to a Student so a student can be hired for summer jobs at school. A Student has an additional attribute called int m\_studentNo;  
   The student constructor accepts two arguments as empNo and studentNo ; this constructor sets the attributes of class to the corresponding arguments.
3. Override the pure virtual print method of Employee in the student to print the student number and employee number in one line.
4. What needs to be done for the Student class to be printed using operator<< and cout in addition of Question number 3.