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class Program
{
    static void Main(string[] args)
    {
        int lineNumber = 0;
        bool b = false;
        Console.WriteLine("{0}: {1}", lineNumber++, b); //0: false

        Coursework c = new Coursework();
        Quiz q1 = new Quiz();
        b = q1.score(100); //b is true
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q1); //q should be added to c
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q2 = new Quiz();
        b = q2.score(-50); //b is false
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        c.addQuiz(q2); //q2 should not be added to c
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q3 = new Quiz();
        b = q3.score(90);
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q3);
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q4 = new Quiz();
        b = q4.score(80);
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q4);
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q5 = new Quiz();
        b = q5.score(70);
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q5);
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q6 = new Quiz();
        b = q6.score(60);
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q6);
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Quiz q7 = new Quiz();
        b = q7.score(50);
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = c.addQuiz(q7); //this quiz should not be considered in calculating the
grade
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Assignment a1 = new Assignment();
        b = a1.score(120); //b is false
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        a1.lateSubmission(true);
        b = c.addAssignment(a1); //a1 should not be added to c and b is false
    }
}

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Console.WriteLine("{0}: {1}", lineNumber++, b);

Assignment a2 = new Assignment();
b = a2.score(100); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
a2.lateSubmission(true); // the mark of a2 is 90 since this assignment has
been submitted late
b = c.addAssignment(a2); //a2 is added to c
Console.WriteLine("{0}: {1}", lineNumber++, b);

Assignment a3 = new Assignment();
b = a3.score(80); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
a3.lateSubmission(false); // the mark of a3 is 80
b = c.addAssignment(a3); //a3 is added to c
Console.WriteLine("{0}: {1}", lineNumber++, b);

Assignment a4 = new Assignment();
b = a4.score(70); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
a4.lateSubmission(false); // the mark of a3 is 70
b = c.addAssignment(a4); //a4 is added to c
Console.WriteLine("{0}: {1}", lineNumber++, b);

Assignment a5 = new Assignment();
b = a5.score(60); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
a5.lateSubmission(false); // the mark of a3 is 60
b = c.addAssignment(a5); //a5 is added to c
Console.WriteLine("{0}: {1}", lineNumber++, b);

Exam e1 = new Exam();
b = e1.score(80); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = e1.examType(EXAMTYPE.First); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = c.addExam(e1); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);

Exam e2 = new Exam();
b = e2.score(70); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = e2.examType(EXAMTYPE.First); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = c.addExam(e2); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);

b = c.calcGrade(); //b is false because not all coursework items are
inserted. In this example, the final exam has not been inserted yet
Console.WriteLine("{0}: {1}", lineNumber++, b);

Exam e3 = new Exam();
b = e3.score(60); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = e3.examType(EXAMTYPE.First); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);
b = c.addExam(e3); //b is true
Console.WriteLine("{0}: {1}", lineNumber++, b);

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        b = c.calcGrade(); //b is true and the coursework grade should be calculated
and stored in c
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        Grade g = c.getGrade();

        double TotalGrade = g.Totalscore; //Totalscore is a property in the Grade
class
        g.Totalscore = 70; //this should not be allowed. Same thing for PointGrade
and LeterGrade
        double PointGrade = g.PointGrade;
        string LetrterGrade = g.LetterGrade;

        b = (TotalGrade == 70.0); //true
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = (PointGrade == 3.0); //true
        Console.WriteLine("{0}: {1}", lineNumber++, b);
        b = (LetrterGrade == "B-"); //true
        Console.WriteLine("{0}: {1}", lineNumber++, b);

        Console.ReadKey();

    }

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