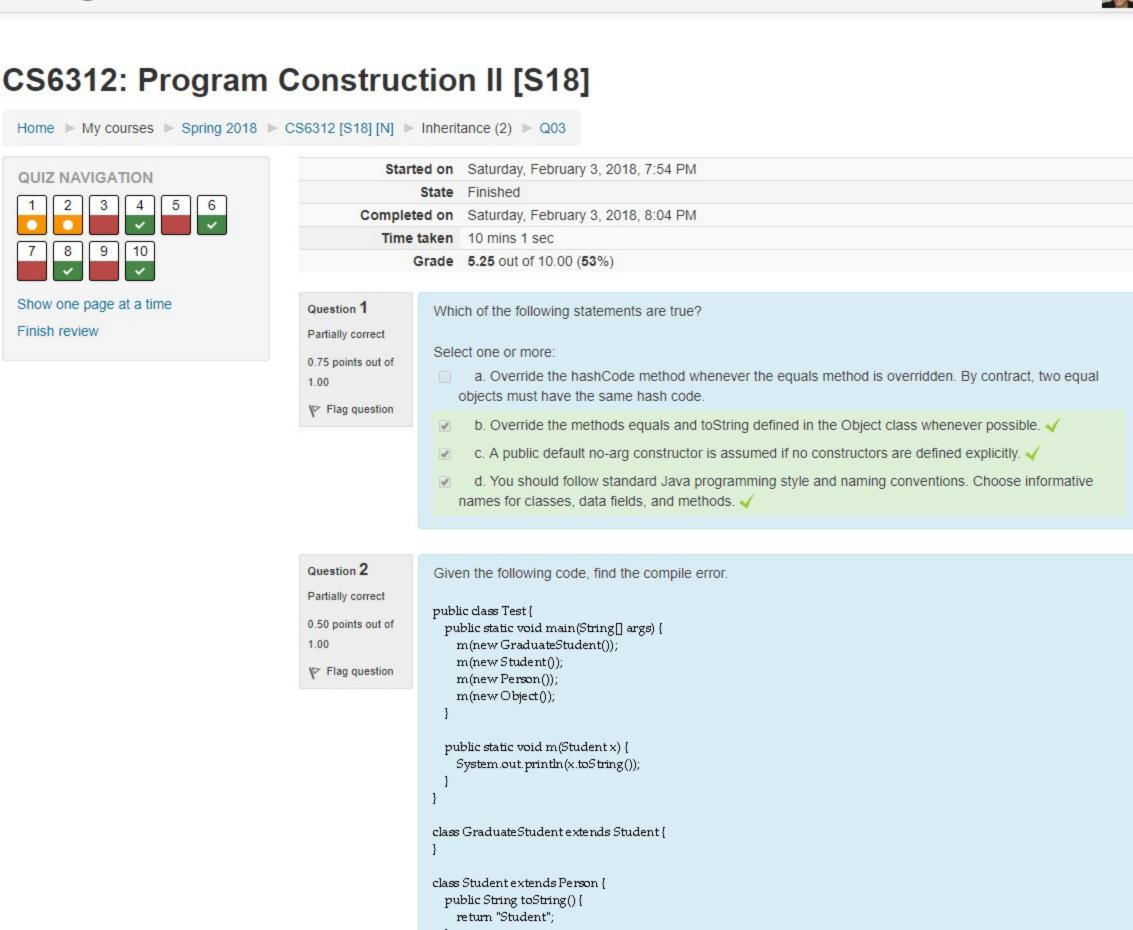
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```
class Person extends Object {
                       public String toString() {
                         return "Person";
                     Select one or more:

 a. m(new Person()) causes an error 

                            b. m(new Student()) causes an error
                           c. m(new GraduateStudent()) causes an error
                           d. m(new Object()) causes an error
Question 3
                     Every class has a toString() method and an equals() method.
Incorrect
                     Select one:
0.00 points out of
                           a. false X
1.00
                      b. true
Flag question
Question 4
                     A class design requires that a particular member variable must be accessible by any subclasses of this class,
                     but otherwise not by classes which are not members of the same package. What should be done to achieve
Correct
                     this?
1.00 points out of
1.00
                     Select one:
Flag question

 a. The variable should be marked public.

 b. The variable should have no special access modifier.

 c. The variable should be marked private and an accessor method provided.

 d. The variable should be marked protected.

                            e. The variable should be marked private.
Question 5
                     Which of the following methods override the toString method in the Object class?
Incorrect
                     Select one:
0.00 points out of

 a. public String toString(String s) X

                            b. public void toString(String s)
Flag question
                            c. public String toString()

 d. public static String toString()

Question 6
                     Every object is an instance of the Object class.
Correct
                     Select one:
1.00 points out of
                           a. false
1.00
                           b. true 🗸
Flag question
Question 7
                     Analyze the following code.
Incorrect
                     // Program 1:
0.00 points out of
                     public class Test {
1.00
                       public static void main(String[] args) {
                         Circle circle1 = new Circle();
Flag question
                         Circle circle 2 = new Circle();
                         System.out.println(circle1.equals(circle2));
                     class Circle {
                       double radius;
```

```
public boolean equals(Circle circle) {
                         return this.radius == circle.radius;
                     // Program 2:
                     public class Test {
                       public static void main(String[] args) {
                         Circle circle1 = new Circle();
                         Circle circle 2 = new Circle();
                         System.out.println(circle1.equals(circle2));
                     class Circle {
                       double radius;
                       public boolean equals(Object circle) {
                         return this.radius ==
                           ((Circle)circle).radius;
                      Select one:
                             a. Program 1 displays true and Program 2 displays true

 b. Program 1 displays false and Program 2 displays false

 c. Program 1 displays true and Program 2 displays false X

                             d. Program 1 displays false and Program 2 displays true
Question 8
                      If a parameter is of the java.lang.Object type, you can pass any object to it. This is known as generic
                      programming.
Correct
1.00 points out of
                      Select one:
                            a. false
Flag question
```

b. true 🛶

```
Question 9
                      Analyze the following code.
Incorrect
                     // Program 1
0.00 points out of
                     public class Test {
1.00
                       public static void main(String[] args) {
                         Object a1 = new A();
Flag question
                         Object a 2 = \text{new A } ();
                         System.out.println(((A)a1).equals((A)a2));
                     class A {
                       int x;
                       public boolean equals(A a) {
                         return this.x == a.x;
                     // Program 2
                     public class Test {
                       public static void main(String[] args) {
                          A a1 = new A();
                         Aa2 = new A();
                         System.out.println(a1.equals(a2));
                     class A {
                       int x;
                       public boolean equals(A a) {
                         return this.x == a.x;
                      Select one:
                             a. Program 1 displays true and Program 2 displays true
                             b. Program 1 displays false and Program 2 displays true

 c. Program 1 displays false and Program 2 displays false X

                            d. Program 1 displays true and Program 2 displays false
                                                 to a variable of Object[] type.
```