Philip Pesic

Week 9

March 19 2023

Week 9 Midterm

Write a Java program that

Declares

- a) Four integer datatype variables: int iAnswer = 0, int i1 = 10, int i2 = 20, in t i3 = 30;
- b) Four decimal datatype variables: double dAnswer=0, double d1 = 1.1; double d2 = 2.2; double d3 = 3.3;

Calculate and Explain "carefully", precisely WHY you get each answer. (2 points each)

```
package Midterm;

class Midterm {
   public static void main(String[] args) {
      int iAnswer;
      int i1 = 10;
      int i2 = 20;
      int i3 = 30;

      double dAnswer;
      double d1 = 1.1;
      double d2 = 2.2;
      double d3 = 3.3;

      iAnswer = i2/i1;
      System.out.println("iAnswer = i2/i1: " +iAnswer); //Answer: 2 | 20/10 = 2 |
intergers can store int values
```

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```
iAnswer = i1/i3;
dAnswer = i1/i2;
dAnswer = d1/d2;
dAnswer = i1/d3;
```

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I learned: how ints and doubles handle floating point values