

Problem Specification

What is the Output? Why?

1 PROBLEM DESCRIPTION

Answer the questions below

2 WHAT TO TURN IN

- Answers to the questions below

3 QUESTIONS

1. What output is produced by the following code fragment? Briefly explain your answer.

```
double product = 100.05, data = 21.75;
if (product < data + 50)
    System.out.println("One is printed!");
    System.out.println("Two is printed!");
System.out.println("Three is printed!");
```

2. What output is produced by the following code fragment? Briefly explain your answer.

```
if(!(-2<7))
    System.out.println("Help! I'm in an if statement!");
```

3. What output is produced by the following code fragment? Briefly explain your answer.

```
int a=402;
double b=402.99;
if(a<(int)b)
    System.out.println("If-block output");
else
    System.out.println("else-block output");
```

4. What output is produced by the following code fragment? Briefly explain your answer.

```
boolean condA=true;
boolean condB=false;
if(condA&&condB)
    System.out.println("If-block output");
else if(condA||condB)
    System.out.println("else-if-block output");
else
    System.out.println("else-block output");
```

5. What output is produced by the following code fragment? Briefly explain your answer.

```
String course= new String("Java Programming");
if(course.length()>=16)
{
    System.out.print("It's the right length");
    if(!course.equals("java programming"))
        System.out.println(" but doesn't match.");
    else
        System.out.println(" and matches.");
}
```