

There are 3 problems below. You will submit a single zipped file named HW1 that contains:

- 1) A document called Answers (word or text file) for problems 1 and 2
- 2) A program called info (only submit the code *info.java* NOT the whole project file)

Make sure to include your name, ID number and date on both the Answers document and the top of the program (in a comment). Automatic 10 point deduction for any missing information.

Problem 1-True or False Submit Answers.doc

In your word document called Answers, please write the number of the statement and **T** for true and **F** for false. **YOU MUST EXPLAIN WHY EACH STATEMENT IS TRUE OR FALSE TO RECEIVE CREDIT.** You will be using the following code to determine your answers.

Code:

```
public class Practice
{

    public static void main( String[] args )
    {
        Scanner in=new Scanner(System.in);
        System.out.println("Enter a number:");
        int n=in.nextInt();

    }

}
```

True or False

- 1) This program would run with no errors.
- 2) This program has a line for outputting to screen a value entered by a user.
- 3) *n* is the name of a char variable.
- 4) There are no comments.
- 5) This program allows for user input.
- 6) There is a concatenation operator somewhere in the code.

Problem 2-Pick vocabulary Submit Answers.doc

Write the name of the underlined portion of code on the line given. A word bank of possible answers is given at the bottom of this page. Any possible answer can be used more than once or not at all.

Code Fragment 1:

int donuts=40; 1_____

int customerOne, customerTwo;

Scanner in=new Scanner(System.in);

System.out.println("Donuts! " + donuts); 2_____

donuts=in.nextInt();

System.out.printf("I'm baking %d donuts!" , donuts); 3_____, 4_____

Argument
Concatenation Operator
Format Specifier
Variable Declaration and Initialization
Variable Assignment
Variable Declaration
Variable Initialization
Comment

Problem 3-Write a program Submit a program called info.java

DO NOT FORGET TO INDENT AND PUT COMMENTS!

You will be writing a program that allows users to input information. They will be entering a name, an age and a favorite food. This information will then be output onto the screen so it matches the sample output. Note that you should write **one** program (the sample runs are just for checking that your program works correctly).

Sample Run 1:

Enter your name:

Bob

Enter your age:

20

Enter your favorite food:

pasta

My name is: Bob and my favorite food is pasta!

I am 20 years old and in 2 years I will be 22!

Sample Run 2:

Enter your name:

Pinky

Enter your age:

40

Enter your favorite food:

Candy

My name is: Pinky and my favorite food is Candy!

I am 40 years old and in 2 years I will be 42!