Java if Statement Projects

Create three separate classes (and therefore files) for each of the following projects. Make sure you check your work against the rubric to prevent yourself from losing points.

Create a Java class called `fatCalories` that allows a user to enter the name of a food, the total number of calories, and the grams of fat contained within a specific food. It should calculate and display the fat calories (grams of fat * 9) and the overall percentage of fat (fat calories / calories). If the percentage is greater than or equal to 30, the food is a high fat content food and should be labeled as such. Otherwise it is low fat. The program flow should look as follows.

Enter the name of the food:
Enter the total number of calories:
Enter the number of calories from fat:

<name of food> is a (high/low) fat food.
Out of a total of <# of cals> of calories, it contains <# of fat cals> of fat calories.
As a percentage, <name of food> is <fat %> fat.

A specific example:

One slice of cheese is a high fat food.
Out of a total of 94 calories, it contains 63 fat calories and
As a percentage, One slice of cheese is 67% fat.

Conditional Statements Project 2: IQ

IQ, or intelligence quotient is a way of measuring intelligence. There are various types of IQ tests, most of which rank an IQ of 100 as average. Write an application that asks a user to enter their IQ score. The class should be called IQ. If the score is a number less than 0 or a score greater than 200, display an error message: “Invalid IQ. Please enter a number between 0 and 200.” Otherwise, display “Above Average”, “Average”, or “Below Average” if the score is over, at, or under 100.

Simple Shipping Program (Using if statements)
The Auburn High School Booster’s Club wants you to write a program to take orders from the Internet. Your program asks for the item, its price, and if overnight shipping is wanted. Regular shipping for items under $10 is $2.00; for items $10 or more shipping is $3.00. For overnight delivery add $5.00.

Enter the item:
Polo Shirt
Enter the price:
25
Overnight delivery (0==no, 1==yes)
1

Invoice:

Polo Shirt 25.00
Shipping 8.00
Total 33.00

Hint to achieve the spacing above use “\t” For example:

System.out.println(“Hello\t\tWorld”);

Would print (with two tabs between the words)

Hello World