**Assignment #3**

**Introduction to C Programming – COP 3223**

**Objectives**

1. To learn how to use If-Else statements for conditional execution
2. To practice using characters as input

**Introduction: Ultimate Computing Fun**

A new game store is opening in your area! Ultimate Computing Fun (UCF) Games is looking for a home for their wide variety of computer games and has decided to make you a part of their growing business. Now that UCF Games has researched which types of games people would like to purchase and obtained a location and some cash registers, they need to start looking for some employees.

**Problem: Hiring Survey (survey.c)**

In order to have enthusiastic and knowledgeable employees, UCF Games would like each applicant to complete a hiring survey. This survey will ask the user a number of questions about their interest and experience in game sales. Based on the user’s answers, the program should state whether or not the user will be a good fit for the store.

The survey has three questions:

1. Have you previously worked in a game store?
2. Do you have any experience in sales?
3. Do you like video games?

If the user indicates yes to the second question, the program should ask them how many months of experience they have.

Based on these responses, you will need to determine if the user will be a good fit or not. If the user has previously worked in a game store AND likes video games, you should assume they are going to be a good fit. Likewise, if the user has had 3 or more months of experience in sales AND likes video games, they should be considered a good fit. Otherwise, you should assume they will not be a good fit though they are still welcome to apply.

**Input Specification**

1. The answer to each of the three survey questions will be either ‘Y’ to indicate yes or ‘N’ to indicate no.
2. The answer to the number of months of experience in sales will be an integer >= 0.

**Output Specification**

The output should be a single line that tells the user whether or not they will be a good fit for UCF Games.

**Output Samples**

Below are some sample outputs of running the program. **Note that these samples are NOT a comprehensive test.** You should test your program with different data than is shown here based on the specifications given above. In the sample run below, for clarity and ease of reading, the user input is given in *italics* while the program output is in **bold**. (Note: When you actually run your program no bold or italics should appear at all. These are simply used in this description for clarity’s sake.)

**Sample Run #1**

**Have you previously worked in a game store?**

*Y*

**Do you have any experience in sales?**

*N*

**Do you like video games?**

*Y*

**You are a good fit for UCF Games!**

**Sample Run #2**

**Have you previously worked in a game store?**

*N*

**Do you have any experience in sales?**

*Y*

**How many months of experience do you have?**

*5*

**Do you like video games?**

*Y*

**You are a good fit for UCF Games!**

**Sample Run #3**

**Have you previously worked in a game store?**

*N*

**Do you have any experience in sales?**

*Y*

**How many months of experience do you have?**

*2*

**Do you like video games?**

*N*

**You do not seem like a good fit for UCF Games.**

**Deliverables**

One source files – *survey.c* – is to be submitted over WebCourses.

**Restrictions**

Although you may use other compilers, your program must compile and run using Code::Blocks. Your program should include a header comment with the following information: your name, course number, section number, assignment title, and date. Also, make sure you include comments throughout your code describing the major steps in solving the problem.

**Grading Details**

Your programs will be graded upon the following criteria:

1) Your correctness

2) Your programming style and use of white space. Even if you have a plan and your program works perfectly, if your programming style is poor or your use of white space is poor, you could get 10% or 15% deducted from your grade.

3) Compatibility – You must submit C source files that can be compiled and executed in a standard C Development Environment. If your program does not compile, you will get a sizable deduction from your grade.