

Exercises

1. Write a program that allows the user to enter the grade scored in a programming class (0-100).

If the user scored a 100 then notify the user that they got a perfect score.

★ Modify the program so that if the user scored a 90-100 it informs the user that they scored an A

★★ Modify the program so that it will notify the user of their letter grade
0-59 F 60-69 D 70-79 C 80-89 B 90-100 A

2. Write a program that continues to asks the user to enter any number other than 5 until the user enters the number 5.

Then tell the user "Hey! you weren't supposed to enter 5!" and exit the program.

★ Modify the program so that after 10 iterations if the user still hasn't entered 5 will tell the user "Wow, you're more patient than I am, you win." and exit.

★★ Modify the program so that it asks the user to enter any number other than the number equal to the number of times they've been asked to enter a number. (i.e on the first iteration "Please enter any number other than 0" and on the second iteration "Please enter any number other than 1"m etc. etc. The program must behave accordingly exiting when the user enters the number they were asked not to.)

3. Write a program that asks the user to enter the number of pancakes eaten for breakfast by 3 different people (Person 1, Person 2, Person 3)

Once the data has been entered the program must analyze the data and output which person ate the most pancakes for breakfast.

★ Modify the program so that it also outputs which person ate the least number of pancakes for breakfast.

★★★★ Modify the program so that it outputs a list in order of number of pancakes eaten of all 3 people.

i.e. Person 3: ate 10 pancakes

Person 1: ate 7 pancakes

Person 2: ate 4 pancakes