# Worksheet 10a Programming Techniques

1. **Using a flag**

(a) Complete this program. It should ask three questions and at the end should display whether the user got all 3 questions correct.  
  
correct = True  
answer = int(input(“What is 12 x 3? ”))

(b) Rewrite your solution for Question 1 so that the program displays whether the user got all of the answers wrong.

**2. Using a flag inside a loop**

Rewrite the following program so that it uses a flag to inform the user whether or not there is a multiple of 3 in the list provided.

list = [13,14,29,47]  
for i in range(len(list):  
 if list[i]%3 == 0:  
 print(“Found a multiple of 3”)

**3. Obscure animals**

Complete this program. The user needs to enter the names of 5 animals. If one of those animals is in the list then they lose, otherwise they win the game. Use a flag to record their success and print an appropriate comment..  
  
animals = [“dog”, “cat”, “giraffe”, “gerbil”, “hamster”, “rabbit”, “horse”]