CSCI 127, First Practicum – February 11, 2019

Name _____

Question One. 25 points. Write a Python program that asks a user whose birthday is today to enter their birth year. The program should then print an appropriate message that shows the user's age. Assume that the user enters a valid year. For example, if the user enters **2000**, the following text should appear in the Python shell when the program is run:

Enter your birth year: ***2000***
Happy Birthday! You are 19 years old.

Question Two. 25 points. Three cards in cribbage form a sequence when the values of the cards are consecutive integers. Complete the function below that receives a list of three integers. The function should return **True** if the three cards passed into it are a sequence and **False** otherwise. For example, *cribbage_sequence([4, 2, 3])* and *cribbage_sequence([2, 3, 4])* should both return **True** and *cribbage_sequence([5, 7, 8])* should return **False**.

```
def cribbage_sequence(card_list):
```

Question Three. 50 points. Write a function named *generate_password* that is passed the length of a desired password. The function should generate and return a random password of the desired length. The password should consist of only lowercase and uppercase characters. Any character should be equally likely to appear in any position in the password For example, *generate_password(10)* might return **zWlsKzhnQK**