**PYTHON ACTIVITY 11:**

**• (Count positive and negative numbers and compute the average of numbers) Write a program that reads an unspecified number of integers, determines how many positive and negative values have been read, and computes the total and average of the input values (not counting zeros). Your program ends with the input 0 . Display the average as a floating-point number.**

**•**

**• Here is a sample run:**

**•**

**• Enter an integer, the input ends if it is 0: 1 2 -1 3 0 The number of positives is 3 The number of negatives is 1 The total is 5.0 The average is 1.25**

**•**

**• Enter an integer, the input ends if it is 0: 0 No numbers are entered except 0**

**•**

**• Write a program that prompts the user to enter a string and displays the number of the uppercase letters in the string.**

**•**

**• Enter a string: Welcome to Java**

**• The number of uppercase letters is 2**

**•**

**• 3)Use the Account class created in Programming Exer-**

**• cise 9.7 to simulate an ATM machine. Create ten accounts in an array with id**

**• 0 , 1 , . . . , 9 , and initial balance $100. The system prompts the user to enter an id. If the id is entered incorrectly, ask the user to enter a correct id. Once an id is accepted, the main menu is displayed as shown in the sample run. You can enter a choice 1 for viewing the current balance, 2 for withdrawing money, 3 for depositing money, and 4 for exiting the main menu. Once you exit, the sys-tem will prompt for an id again. Thus, once the system starts, it will not stop.**

**• Enter an id: 4**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 1**

**• The balance is 100.0**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 2**

**• Enter an amount to withdraw: 3**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 1**

**• The balance is 97.0**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 3**

**• Enter an amount to deposit: 10**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 1**

**• The balance is 107.0**

**• Main menu**

**• 1: check balance**

**• 2: withdraw**

**• 3: deposit**

**• 4: exit**

**• Enter a choice: 4**

**• Enter an id:**