**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_**

Write a python program for the CSE110 course coordinator to track a section's Quiz 1 performance -

First, the program will ask the faculty **how many students** there are in the section.

Then, take the obtained marks of each student as user inputs.

The program should print “Invalid Input” and **end immediately** if the score is **not within the valid range (0-100)**.

Finally, it should **calculate & print the average pass marks (in percentage)** obtained by the students, **considering 33 as the pass mark**. **[CO4]**

|  |  |  |
| --- | --- | --- |
| **Sample Input 1:**  4  62  11  2  38  **Sample Output 1:**  50%  **Explanation 1:**  First, the user enters 4 as the first input. Therefore, the program will ask for obtained marks for 4 students. Average pass mark = (62+38)/2 = 50% | **Sample Input 2:**  5  47  25  58  75  10  **Sample Output 2:**  60%  **Explanation 2:**  First, the user enters 5 as the first input. Therefore, the program will ask for obtained marks for 5 students. Average pass mark = (47+58+75)/3 = 60% | **Sample Input 2:**  38  97  -5  **Sample Output 2:**  Invalid Input  **Explanation:**  First, the user enters 38 as the first input. Therefore, the program will ask for obtained marks for 38 students. Program ended after taking the 2nd input, as -5 is not a valid score. |

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_**

Write a python program for the CSE110 course coordinator to track a section's Quiz 1 performance -

First, the program will ask the faculty **how many students** there are in the section.

Then, take the obtained marks of each student as user inputs.

The program should print “Invalid Input” and **end immediately** if the score is **not within the valid range (0-100)**.

Finally, it should **calculate & print the pass rate (in percentage)** of the section, **considering 33 as the pass mark**.

**[CO4]**

|  |  |  |
| --- | --- | --- |
| **Sample Input 1:**  4  62  11  2  38  **Sample Output 1:**  50%  **Explanation 1:**  First, the user enters 4 as the first input. Therefore, the program will ask for obtained marks for 4 students. 2 out of 4 students passed. So, Pass rate, 2/4 = 50% | **Sample Input 2:**  5  47  25  58  75  10  **Sample Output 2:**  60%  **Explanation 2:**  First, the user enters 5 as the first input. Therefore, the program will ask for obtained marks for 5 students. 3 out of 5 students passed. So, Pass rate, 3/5 = 60% | **Sample Input 2:**  38  97  -5  **Sample Output 2:**  Invalid Input  **Explanation:**  First, the user enters 38 as the first input. Therefore, the program will ask for obtained marks for 38 students. Program ended after taking the 2nd score, as -5 is not a valid score. |