Q1: Write a program to display profit or loss in trading of an item.

Sample input/output:

Enter selling price: 20

Enter buying price:19

You have profit in trading of this item

**[Note: Design the solution using pseudocode before coding]**

Q2: Write a program to read student’s name and marks from a user and display a message whether the student has passed or failed the exam.

Sample input/output:

Please enter your name: James Payne

Please enter your marks: 60

James Payne, you have passed the module.

**[Note: Design the solution using flowchart before coding]**

Q3: Write a complete program to find the grade of a student based on the value of marks entered by a user using the following table:

|  |  |  |
| --- | --- | --- |
| Range of marks | Grade | Status |
| 80 – 100 | A | Pass |
| 70 – 79 | B | Pass |
| 60 – 69 | C | Pass |
| 50 – 59 | D | Pass |
| 0 – 49 | F | Fail |

For marks greater than 100 and less than 0 display a message “invalid entry”

Sample input/output:

Enter your marks: 57

Your grade is: D

Enter your marks: 120

Invalid entry

**[Note: Design the solution using pseudocode before coding]**