[Lab Sheet 4

1. Find total marks of the student with respect to the weightages given below.

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Evaluation Component | Maximum Marks | Weightage |
| 1 | Continuous Assessment Test – 1 (CAT-1) | 50 | 25% |
| 2 | Continuous Assessment Test – 2  (CAT-2) | 50 | 25% |
| 3 | Final Assessment Test | 100 | 50% |

1. Find whether the student has passed/ failed in the subject according to the given passing criteria.
2. Final marks >=50
3. FAT marks >=40

Input

30

30

50

Output

Passed with 55:00

Input

40

40

38

Output

Failed with 59.00

25

25

50

Passed with 50.00

1. Write Program to evaluate simple expressions of the form “number <space> operator <space> number”

Operators : +, -, %, /, =

Input

1 + 2

output

3

input

6 - 4

output

2

input

5 % 2

1

3 = 3

True

8 / 2

4

1. Write a program to read and categorize a single character as lower case letter or upper case letter or digit char.

a

lowercase letter

X

uppercase letter

8

Digit char

1. Write a program that reads 'n' from the user and prints the table of numbers and triangular numbers from '1' to 'n'.

input (n)

10

output (number, triangular number)

1 1  
 2 3  
 3 6  
 4 10  
 5 15  
 6 21  
 7 28  
 8 36  
 9 45  
 10 55