```
                          start

        n = 0, i = 0, grade = 0, sum = 0, total_credit = 0
                       gpax = 0.0

                          read n

                     for i = 0; i < n                    F

              T

                     read grade                    gpax = sum / total_credit
                     read credit

              sum = sum + (grade * credit)
              total_credit = total_credit + credit

         print total_credit
         print sum
         print gpax

                          stop
```

	grade	credit	sum			
N = 5	4	2	8			
	3	4	12			
	2	4	8			
	2	3	6			
	4	1	4			
				total_credit	sum	GAPX
				14	38	2.71
N = 3	3	4	12			
	4	1	4			
	2	2	4			
				total_credit	sum	GAPX
				7	20	2.86
N = 2	3	3	9			
	2	2	4			
				total_credit	sum	GAPX
				5	13	2.6

```
1   start
2       n = 0, grade = 0, sum = 0, total_credit = 0
3       gpax = 0.0
4       read n
5
6       for (i = 0; i < n)
7           read grade
8           read credit
9           sum = sum + (grade * credit)
10          total_credit = total_credit + credit
11      end for
12
13      gpax = sum / total_credit
14      print total_credit
15      print sum
16      print gpax
17  stop
```

```c
#include <stdio.h>

int main() {
    int n, grade, sum = 0, total_credit = 0;
    float gpax;

    printf("Enter the number of elements: \t");
    scanf("%d", &n);

     for (int i = 0; i < n; i++) {
        int credit;
        printf("Enter Grade %d: ", i + 1);
        scanf("%d", &grade);
        printf("Enter Credit %d: ", i + 1);
        scanf("%d", &credit);
        printf("=================================\n");
        sum += grade * credit;
        total_credit += credit;
    }
    gpax = (float)sum / total_credit;
    printf("Total Credit = %d\n", total_credit);
    printf("Total Sum = %d\n",sum);

    if (n < 3) {
        printf("GPAX = %.1f\n", gpax);
    } else {
        printf("GPAX = %.7f\n", gpax);
    }

    return 0;
}
```