GE23131-Programming Using C-2025

Quiz navigation

1 2 3

Show one page at a time

Finish review

Status	Finished
Started	Tuesday, 21 October 2025, 10:04 PM
Completed	Tuesday, 21 October 2025, 10:24 PM
Duration	20 mins 36 secs

Question 1

Correct

Flag question

A single line L with a set of space separated values indicating distance travelled and time taken is passed as the input. The program must calculate the average speed S (with precision upto 2 decimal places) and print S as the output.

Note: The distance and time taken will follow the format DISTANCE#TIMETAKEN. DISTANCE will be in kilometers and TIMETAKEN will be in hours.

Input Format:

The first line contains L.

Output Format:

The first line contains the average speed S.

Boundary Conditions:

Length of L will be from 3 to 100.

Example Input/Output 1:

Input:

60#2 120#3

Output:

36.00 kmph

Explanation:

Total distance = 60+120 = 180 km.
Total time taken = 2+3 = 5 hours.
Hence average speed = 180/5 = 36.00 kmph

For example:

Input	Result
60@2 120@3	36.00 kmph

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    float a,b,x=0,y=0;
    char c,p;
    do{
        sscanf("%f%c%f%c",&a,&c,&b,&p);
        x+=a;
        y+=b;
    }while(p!='\n');

    printf("%.2f kmph",x/y);
    return 0;
}
```

	Input	Expected	Got	
✓	60@2 120@3	36.00 kmph	36.00 kmph	✓

Passed all tests! ✓

Question 2

Correct

Flag question

The program must accept two numbers X and Y and then print their HCF/GCD.

Input Format:

The first line denotes the value of X.
The second line denotes the value of Y.

Output Format:

The first line contains the HCF of X and Y.

Boundary Conditions:

1 <= X <= 999999
1 <= Y <= 999999

Example Input/Output 1:

Input:

30
40

Output:

10

Example Input/Output 2:

Input:

15
10

Output:

5

For example:

Input	Result
30 40	10

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int x,y,diff;
    scanf("%d",&x);
    scanf("%d",&y);
    if(x>y){
        diff=x-y;
    }else{
        diff=y-x;
    }
    printf("%d",diff);
    return 0;
}
```

	Input	Expected	Got	
✓	30 40	10	10	✓

Passed all tests! ✓

Question 3

Correct

Flag question

A string S is passed as input. S will contain two integer values separated by one of these alphabets - A, S, M, D where

- A or a is for addition
- S or s is for subtraction
- M or m is for multiplication
- D or d is for division

The program must perform the necessary operation and print the result as the output. (Ignore any floating point values just print the integer result.)

Input Format:

The first line contains S.

Output Format:

The first line contains the resulting integer value.

Boundary Conditions:

Length of S is from 3 to 100.

Example Input/Output 1:

Input:

5A11

Output:

16

Explanation:

As the alphabet is A, 5 and 11 are added giving 16.

Example Input/Output 2:

Input:

120D6

Output:

20

Example Input/Output 3:

Input:

1405d10

Output:

140

For example:

Input	Result
5A11	16
120D6	20
1405d10	140

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main(){
    int a,b,ans;
    char s;

    scanf("%d%c%d",&a,&s,&b);
    switch(s){
        case 'a':
        case 'A':ans=a+b;break;
        case 's':
        case 'S':ans=a-b;break;
        case 'm':
        case 'M':ans=a*b;break;
        case 'd':
        case 'D':ans=a/b;break;
        default:break;
    }
    printf("%d",ans);

    return 0;
}
```

	Input	Expected	Got	
✓	5A11	16	16	✓
✓	120D6	20	20	✓
✓	1405d10	140	140	✓

Passed all tests! ✓

Finish review