

Status	Finished
Started	Tuesday, 4 November 2025, 7:05 PM
Completed	Tuesday, 4 November 2025, 7:54 PM
Duration	48 mins 52 secs

Question 1

Correct

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 %)

```

1 #include <stdio.h>
2 #include <string.h>
3 #include <stdlib.h>
4
5 int main ()
6 {
7     int a,b,e,g,td,tt;
8     char c,h,j;
9     scanf("%d%c%d%c%d%c%d",&a,&c,&b,&h,&e,&j,&g);
10    td=a+e;
11    tt=b+g;
12    float y;
13    y=td/tt;
14    printf("%.2f kmph",y);
15
16
17    return 0;
18 }
19

```

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

Passed all tests! ✓

Question 2

Correct

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:

$1 \leq X \leq 999999$

$1 \leq Y \leq 999999$

Example Input/Output 1:

Input:

30

40

Output:

10

Example Input/Output 2:

Input:

15

10

Output:

5

For example:

Input	Result
30	10
40	

Answer: (penalty regime: 0 %)

```
1 #include <stdio.h>
2 int main ()
3 {
4     int a,b;
5     scanf("%d\n%d",&a,&b);
6     while(b!=0)
7     {
8         int c=b;
9         b=a%b;
10        a=c;
11    }
12    printf("%d",a);
13    return 0;
14 }
```

	Input	Expected	Got	
✓	30 40	10	10	✓

Passed all tests! ✓

Question 3

Correct

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 %)

```

1 #include<stdio.h>
2 int main ()
3 {
4     int a,b;
5     char ch;
6     scanf("%d%c%d",&a,&ch,&b);
7     if(ch=='A' || ch=='a')
8     {
9         printf("%d",a+b);
10    }
11    else if(ch=='S' || ch=='s')
12    {
13        printf("%d",a-b);
14    }
15    else if(ch=='M' || ch=='m')
16    {
17

```

```
18     printf("%d",a-b);
19 }
20 else if(ch=='D' || ch=='d')
21 {
22     printf("%d",a/b);
23 }
24 else
25 {
26     return 0;
27 }
28 return 0;
29 }
```



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

Passed all tests! ✓

