

Status	Finished
Started	Monday, 3 November 2025, 9:02 PM
Completed	Monday, 3 November 2025, 10:05 PM
Duration	1 hour 2 mins

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 int main()
4 {
5     char input[1000];
6     fgets(input,sizeof(input),stdin);
7     double totalDistance=0,totalTime=0;
8     char*token=strtok(input," ");
9     while(token != NULL)
10    {
11        double distance,time;
12        sscanf(token,"%lf@%lf",&distance,&time);
13        totalDistance +=distance;
14        totalTime +=time;
15        token=strtok(NULL,"");
16    }
17    double avgSpeed=totalDistance/totalTime;
18    printf("%.2f kmph\n",avgSpeed);
19    return 0;
20 }
21
```

	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()\n
```

```
3 {  
4     int x,y;  
5     scanf("%d",&x);  
6     scanf("%d",&y);  
7     while (x !=y)  
8     {  
9         if(x>y)  
10            x=x-y;  
11        else  
12            y=y-x;  
13    }  
14    printf("%d\n",x);  
15    return 0;  
16 }
```

	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 #include<string.h>
3 #include<cctype.h>
4 int main()
5 {
6     char s[101],op;
7     long long n1=0,n2=0;
8     scanf("%s",s);
9     int i=0;
10    while(isdigit(s[i]))
11    {
12        n1=n1*10+(s[i++]-'0');
13
14    }
15    op=toupper(s[i]);
16    i++;
17    while(isdigit(s[i]))
18    {
19        n2=n2*10+(s[i++]-'0');
20    }
21
22    switch(op)
23    {
24        case '+': n1=n1+n2; break;
25        case '-': n1=n1-n2; break;
26        case '*': n1=n1*n2; break;
27        case '/': n1=n1/n2; break;
28    }
29    printf("%ld",n1);
30 }
```

```
24     case 'A':n1+=n2;break;
25     case 'S':n1-=n2;break;
26     case 'M':n1*=n2;break;
27     case 'D':n1/=n2;break;
28 }
29 printf("%lld\n",n1);
30 return 0;
31 }
```



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

Passed all tests! ✓

