Status	Finished
Started	Friday, 31 October 2025, 8:25 PM
Completed	Friday, 31 October 2025, 9:08 PM
Duration	42 mins 9 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 %)

```c
#include<stdio.h>
int main(){
char s[200];
double a=0,b=0;
double c,d;
char*ptr=s;
fgets(s,sizeof(s),stdin);
while(sscanf(ptr,"%lf@%lf", &c,&d)==2){
a+=c;
b+=d;
while(*ptr && *ptr !=' ')ptr++;
if(*ptr == ' ')ptr++;
else break;
}
double avgspeed=a/b;
printf("%.2f kmph\n",avgspeed);
return 0;
}
```

	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 <= 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 %)

```
1 #include<stdio.h>
2 int main(){
```

```
int main(){
    int x,y;
    scanf("%d", &x);
    scanf("%d", &y);
    int a=x,b=y,temp;
    while(b!=0){
        temp=b;
        b=a%b;
        a=temp;
    }
    printf("%d\n",a);
    return 0;
}
```

	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 %)

```c
#include<stdio.h>
#include<ctype.h>
int main(){
    char s[101];
    int n1=0,n2=0;
    char a;
    int i=0;
    scanf("%s",s);
    while(isdigit(s[i])){
        n1=n1*10+(s[i]-'0');
        i++;
    }
    a=s[i];
    i++;
    while(s[i]!='\0'){
        n2=n2*10+(s[i]-'0');
        i++;
    }
    int result=0;
    if(a=='A'|| a=='a')
    result=n1+n2;
    else if(a=='S'|| a=='s')
    result=n1-n2;
```

```
24      else if(a== 'M' || a== 'm' )
25      result=n1*n2;
26      else if(a=='D'|| a=='d')
27      result =n1/n2;
28      printf("%d\n",result);
29      return 0;
30  }
```

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

Passed all tests! ✓