Status	Finished
Started	Monday, 3 November 2025, 3:13 PM
Completed	Monday, 3 November 2025, 3:46 PM
Duration	33 mins 4 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 input[100];
double distance=0, time=0,d,t;
char *ptr=input;
fgets(input,sizeof(input),stdin);
while(sscanf(ptr,"%lf@%lf",&d,&t)==2)
{
distance+=d;
time+=t;
while(*ptr && *ptr!=' ')ptr++;
if(*ptr == ' ')ptr++;
else break;
}
double avg_speed=distance/time;
printf("%.2f kmph", avg_speed);

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 %)

```c
#include<stdio.h>
int main()
{
    int x,y;
    scanf("%d",&x);
    scanf("%d",&y);
    int a=x,b=y;
    int temp;
    while(b!=0)
    {
        temp=b;
        b=a%b;
        a=temp;
    }
    printf("%d",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 %)

```
#include<stdio.h>
int main()
{
    char s[100];
    int num1,num2;
    char op;
    scanf("%s",s);
    sscanf(s,"%d%c%d",&num1,&op,&num2);
    int result;
    if(op=='A'||op=='a')
    result=num1+num2;
    else if(op=='S'||op=='s')
    result=num1-num2;
    else if(op=='M'||op=='m')
    result=num1*num2;
    else if(op=='D'||op=='d')
    result=num1/num2;
```

```
    else
    {
        printf("Invalid Operator");
        return 0;
    }
    printf("%d",result);
    return 0;
}
```

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

Passed all tests! ✓