

<b>Status</b>	Finished
<b>Started</b>	Monday, 3 November 2025, 10:56 AM
<b>Completed</b>	Monday, 3 November 2025, 11:22 AM
<b>Duration</b>	25 mins 41 secs

Question **1**

Correct

The name and mileage of certain cars is passed as the input. The format is CARNAME@MILEAGE and the input is as a single line, with each car information separated by a space. The program must print the car with the lowest mileage. (Assume no two cars will have the lowest mileage)

**Input Format:**

The first line contains the CARNAME@MILEAGE separated by a space.

**Output Format:**

The first line contains the name of the car with the lowest mileage.

**Boundary Conditions:**

The length of the input string is between 4 to 10000.

The length of the car name is from 1 to 50.

**Example Input/Output 1:**

Input:

Zantro@16.15 Zity@12.5 Gamry@9.8

Output:

Gamry

**For example:**

Input	Result
Zantro@16.15 Zity@12.5 Gamry@9.8	Gamry

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3 #include<stdlib.h>
4 int main()
5 {
6     char input[10000];
7     fgets(input, sizeof(input), stdin);
8     char *token;
9     char lowestCar[100];
10    double lowestMileage = 9999999.0;
```

```

11 token = strtok(input, " ");
12 while(token != NULL){
13     char carname[100];
14     double mileage;
15     char *atSign = strchr(token, '@');
16     if(atSign != NULL){
17         *atSign = '\0';
18         strcpy(carname, token);
19         mileage = atof(atSign + 1);
20         if(mileage < lowestMileage){
21             lowestMileage = mileage;
22             strcpy(lowestCar, carname);
23         }
24     }
25     token = strtok(NULL, " ");
26 }
27 printf("%s", lowestCar);
28 return 0;
29 }
30
31

```

	Input	Expected	Got	
✓	Zantro@16.15 Zity@12.5 Gamry@9.8	Gamry	Gamry	✓

Passed all tests! ✓

Question **2**

Correct

A certain number of people attended a meeting which was to begin at 10:00 am on a given day. The arrival time in HH:MM format of those who attended the meeting is passed as the input in a single line, with each arrival time by a space. The program must print the count of people who came late (after 10:00 am) to the meeting.

**Input Format:**

The first line contains the arrival time separated by a space.

**Output Format:**

The first line contains the count of late comers.

**Boundary Conditions:**

The length of the input string is between 4 to 10000.

The time HH:MM will be in 24 hour format (HH is hours and MM is minutes).

**Example Input/Output 1:**

Input:

10:00 9:55 10:02 9:45 11:00

Output:

2

Explanation:

The 2 people were those who came at 10:02 and 11:00

**For example:**

Input	Result
10:00 9:55 10:02 9:45 11:00	2

**Answer:** (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<string.h>
3 #include<stdlib.h>
```

```
4  int time_to_minutes(const char* time_str){
5      int hours,minutes;
6      sscanf(time_str, "%d:%d", &hours, &minutes);
7      return hours * 60 + minutes;
8  }
9  int main(){
10     char input[10001];
11     fgets(input, sizeof(input), stdin);
12     input[strcspn(input, "\n")] = 0;
13     char* token;
14     int late_comers = 0;
15     int meeting_start_time_minutes = -1;
16     token = strtok(input, " ");
17     if(token != NULL){
18         meeting_start_time_minutes = time_to_minutes(token);
19     }
20     while((token = strtok(NULL, " ")) != NULL){
21         int arrival_time_minutes = time_to_minutes(token);
22         if(arrival_time_minutes > meeting_start_time_minutes){
23             late_comers++;
24         }
25     }
26     printf("%d\n",late_comers);
27     return 0;
28 }
```

	Input	Expected	Got	
✓	10:00 9:55 10:02 9:45 11:00	2	2	✓

Passed all tests! ✓

Question **3**

Correct

A single line consisting of a set of integers, each separated by space is passed as input to the program. The program must print the sum of all the integers present.

**Input Format:**

The first line contains the integer values (Each separated by a space)

**Output Format:**

The first line contains the sum of all the integers.

**Boundary Conditions:**

The length of the input string is between 3 to 10000

The value of the integer values will be from -99999 to 99999

**Example Input/Output 1:**

Input:

100 -99 98 5

Output:

104

**Example Input/Output 2:**

Input:

100 200 -300 500 -450 -50

Output:

0

**For example:**

Input	Result
100 -99 98 5	104

Input	Result
100 200 -300 500 -450 -50	0

**Answer:** (penalty regime: 0 %)

```

1  #include<stdio.h>
2  #include<stdlib.h>
3  #include<string.h>
4  int main()
5  {
6      char input[10001];
7      fgets(input,sizeof(input), stdin);
8      long long sum = 0;
9      char*p = input;
10     char*end;
11     while(*p){
12         long num = strtol(p, &end, 10);
13         sum +=num;
14         if(p == end){
15             break;
16         }
17         p = end;
18     }
19     printf("%lld\n", sum);
20     return 0;
21 }
```

	Input	Expected	Got	
✓	100 -99 98 5	104	104	✓
✓	100 200 -300 500 -450 -50	0	0	✓

Passed all tests! ✓