

# GE23131-Programming Using C-2025

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Question 1

Correct

 Flag question

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 int main(){
4     char car[50],space,gap,least[50];
5     float mi,l=10000;
6     do{
7         scanf("%[@%c%c%c",car,&space,&mi,&gap);
8         if(l>mi){
9             l=mi;
10            strcpy(least,car);
11        }
12    }while(gap!='\n');
13    printf("%s",least);
14    return 0;
15 }
```

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

Passed all tests!

Question 2

Correct

 Flag question

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 int main(){
3     char gap,space;
4     int h,m,late=0;
5     do{
6         scanf("%d%c%d%c",&h,&space,&m,&gap);
7         if((h>10 && m==0)|| (h==10 && m>0) ){
8             late+=1;
9         }
10    }while(gap!='\n');
11    printf("%d",late);
12    return 0;
13 }
```

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

Passed all tests!

Question 3

Correct

 Flag question

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
100 200 -300 500 -450 -50	0

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

```

1 #include<stdio.h>
2 int main(){
3     char gap;
4     signed int n,sum=0;
5     do{
6         scanf("%d%c",&n,&gap);
7         sum+=n;
8     }while(gap!='\n');
9     printf("%d",sum);
10    return 0;
11 }
```

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

Passed all tests!

Finish review