For example, if the user gives the input

Next, the program should print the messages one by one on the console.

if the user gives the input as:

then the program should **print** the result as:

The largest element of the array = The second largest element of the  $\epsilon$ 

Interaction Largest element of the a Hints
Let us assume first element it self as the large, second, large and then compare both with all the other elements. If any one found as large then change the value of the large, otherwise compare it with second Jarge and exchange it with second Jarge and exchange it with encessary condition is satisfied.

Input	Result
5	The largest element of the
2	The second largest element
5	
9	
7	
3	
6	The largest element of the
64	The second largest element
87	
34	
58	
62	
18	

```
if (v < 2) {
   printf("Number or return 0;
}
                 int lNum = INT_MIN, s
for (int i = 0; i < v
if (1Num < arr[i]
sNum = 1Num;
lNum = arr[i]
} else if (sNum <
sNum = arr[i]
                  printf("The largest e
```

	Input	Expected
~	5	The largest element of
	2	The second largest el
	5	
	9	
	7	
	3	
~	6	The largest element of
	64	The second largest el
	87	
	34	
	58	
	62	
	18	

Write a program to find the minimum and second minimum elements with in the elements of one dimensional array. 

Constraints:

1 < N  $\leftarrow$  10<sup>3</sup>

1 < Elements of the array <= 10<sup>5</sup>

Instruction: To run your custom test coases strictly may your input and output layout with the visible test cases.

layout with the visible test cases. Hints Let us assume that first element it self as the mislimum, second, mislimum and then compare both with all the other elements. If any one found as mislimum then change the value of the mislimum, otherwise compare it with necessary condition is satisfied.

## For example:

Input	Result
4	Min element = 32
65 32 85 96	Second min element =

```
int arr[v];
for (int i = 0; i < v
     scanf("%d", &arr[
}</pre>
                           scanf("%d", &arr[]
}
int n1 = INT_MAX, n2
for (int i = 0; i < v
    if (arr[i] < n1)
        n2 = n1:
        n1 = arr[i];
    } else if (arr[i]
        n2 = arr[i];
}
</pre>
```

_		
Г	Input	Expected
		Win olemon

then the program should print the result as:

Hints marks are integers, total is also an integer but average is a float value, so typecast it.

Input	Result
5	The total marks = 325
45	The average marks = 65,00000
65	
55	
75	
85	
4	The total marks - 175
36	The average marks - 43,75000
45	
38	
56	

	Input	Expected
~	5	The total marks = 32
	45	The average narks = 6
	65	
	55	
	75	
	85	
~	4	The total marks = 175
	36	The average narks = 4
	45	
	38	
	56	

Question 4
Correct
Marked out of 1.00
1° Flag question

The below ample code finds the addition of two matrices.

In the nanyl firection read a nor two-distinction of the matrices.

In the nanyl firection read a nor two-distinction of demonstroad the read them find the addition of two matrices.

The logic is

First checks the rew sizes and column sizes of two two-dismestional energy are equal or dismestional energy are equal or dismestional energy are equal or firectional energy are copied in the sizes are not equal then, place. If the sizes are not equal then use two for loops to add each or the contraction of two matrices and elevation of two matrices and elevation of two matrices and flowly point the resilient hem elevating code as that it produces the desired output.

Input	Result	
2 2	The given matrix-1 is	
1234	1 2	
2 2	3 4	
4567	The given matrix-2 is 4 5	
	6.7	
	Addition of two matrices	
	5 7	
	9 11	

	Input	Expected
~	2 2	The given matrix
	1 2 3 4	1 2
	2 2	3 4
	4 5 6 7	The given matrix
		4.5
		6 7
		Addition of two
		5 7
		9 11

Question 1 Correct Marked out of 1.00 F Flag question

Fill in the missing code in the below sample code which counts the number of vowels, consonants, digits and spaces are presented in a given string.

Initially, the variables vowels, consonants, digits and spaces are initialized to 0.

Iterate the string from the first character to last character to find all vowels, consonants, digits and spaces.

When a vowel character is found, vowel variable is incremented by 1. Similarly, consonants, digits and spaces are incremented when these characters are found in the string.

Finally, the count is displayed on the

For example:

Input kohli hits 100 in every cricket ma

Answer: (penalty regime: 0 %)

```
Reset answer
```



Question 2 Marked out of 1.00

Fill in the missing code in the below sample code which copies a given string into another string.

Initially, read a string from the standard input device and write a loop to copy each character of given string into another string till the end of the string is reached.

Place '\0' at the end of the copied string.

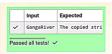
Finally, the copied string is displayed on the screen.

For example:

Input	Result			
GangaRiver	The copied	string	=	Ga

Answer: (penalty regime: 0 %)

Reset answer



Passed all tests! 🗸 Question 3 Marked out of 1.00 P Flag question

Fill in the missing code in the below sample code which concatenates two given strings and store the result in another string.

Read two strings from the standard input device and write a loop to copy each character of the first string into third string till the end of the first string.

Write another loop to copy each character of the second string into third string till the end of second string.

Now place '\0' at the end of the third

Finally, display the third string.

## For example:

Input	Result
Narendra Modi	NarendraModi

Answer: (penalty regime: 0 %)

## Reset answer

```
int main() {
    char a[20], b[20], c[
    int i, j;
            scanf("%s", a);
scanf("%s", b);
           for (i = 0; a[i] != '
c[i] = a[i]; // C
           for (j = 0; b[j] != '
c[i++] = b[j]; //
            c[i] = '\0'; // Comp
            printf("%s\n", c);
return 0;
```

	Input	Expected	Got
~	Narendra Modi	NarendraModi	Nar

Question 4 Correct

Marked out of 1.00 F Flag question

Fill in the missing code in the below sample code to check whether the given two strings are equal or not.

Read two strings from the standard input device and write a loop to check each character of the first string with second string till the end of the first string is reached.

If any character is not equal then break the loop and say "Two strings are not

If all the characters are equal and the length of two strings is also equal then display "Two strings are equal".

Input	Result
Godavari Godavari	Two strings are equal
Narmada narmada	Two strings are not equa

Answer: (penalty regime: 0 %)

```
int main() {
    char a[20], b[20];
    int i = 0, flag = 1;
                 while (a[i] != '\0')
  if (a[i] != b[i])
    flag = 0;
    break;
                 if (flag == 1) {
    printf("Two strin
} else {
    printf("Two strin
```

	Input	Expected
~	Godavari Godavari	Two strings are e
~	Narmada narmada	Two strings are n

Question 5 Marked out of 1.00

Fill in the missing code in the below sample code to search the occurrence of a given character in a given string.

Read a string and a character from the standard input device and write a loop to check each character of the string with a given character.

If the given character is equal to a character in the string then increment the count with in the loop.

Finally, display the count variable which has the total number of occurrences of the given character.

## For example:

Input	Result
CurrencyDemonitisation	Occurence
n	

Answer: (penalty regime: 0 %)

## Reset answer

```
1 #include <stdio.h>
2 #include <string.h>
2 #include <string.h>
3 4 int main() {
    char str[20], ch;
    int count = 0, 1;
    scanf("%s", str);
    scanf("%s", sch);
    if (i = 0; str[i]) =
        count++;
    }
    if (count == 0) {
        printf("The ch
    } else {
            printf("Occure
    }
    return 0;
}
                                        for (i = 0; str[i] !=
   if (str[i] == ch)
        count++;
}
                                      if (count == 0) {
    printf("The chara
} else {
    printf("Occurence
}
```



## Correct

Marked out of 1.00

Flag question

Fill in the missing code in the below sample code to count total number of uppercase and lowercase characters from the accepted string.

Read a string from the standard input device and write a loop to check each character, whether it is uppercase or lowercase of the given string.

If the given character is uppercase then increment the upper\_count with in the loop.

If the given character is lowercase then increment the lower\_count with in the loop.

Finally display the upper\_count and lower\_count.

## For example:

Result KrishnaAndGodavariAreRivers Numbe

Answer: (penalty regime: 0 %)

```
scanf("%s", ch); // C
     printf("Number of upp
printf("Number of low
```



Question 7 Marked out of 1.00 F Flag question

Fill in the missing code in the below sample code to reverse the given string.

Hints Step:1 Read a string from the standard input device. Step:2 Write a loop to find the length of

the string.
Step:3 Write another loop to interchange
the characters from first to last of the

string. Step:4 Finally display the reverse of a string.

## For example:

Inpi	ut	Result					
Sof	tware	The	reverse	of	a	given	s

## Answer: (penalty regime: 0 %)

## Reset answer 1 #include<stdio.h> char ch[80], temp[80] int i, j; scanf("%s", ch); i = j = 0; while (ch[j] != '\0') j++; j--; while (j >= 0) { temp[i] = ch[j]; i++; j--; } temp[i] = '\0'; printf("The reverse o return 0;

	Input	Expected	
	III-P	The reverse of a	
.,	Software	The reverse of a	

## Question 8 Correct

Marked out of 1.00

P Flag question

Fill in the missing code in the below sample code to check whether the given string is a palindrome or not.

Read a string from the standard input device and write a loop to check the characters of the given string with the reverse string.

If all the characters are equal then display "The given string is a palindrome", otherwise display "The given string is not a palindrome".

or example:			
Input	Luan	string	1232
12321	The great	etring	amar
amaravathi	The given	50120	

# Answer: (penalty regime: 0 %)

tdio.h> { [80]; j, length, fli
{ [80]; length, fla
lengt"
lengt"
%s", ch); //
703
. 0:
= 0; ch[length] !=
= 0; ch[length] != gth++;
gui
-th - 1; 1-ng
gth - 1; = 0; i < 1eng = 0; i = ch[; (ch[i] != ch[;
41ag = 1,
break;
Di -
;
. // \
== 0) 1 ivel
g == 0) { // l ntf("The given
( aive
ntic { ntf("The giver
1.
0:
0;

	Expected
Input	a given s
1 12321	oiven s
amaravath	i
d all tests!	

Question 1
Correct
Marked out of 1.00
P Flag question

In C language, we have four types of string functions that are used for performing string operations. They are strlen(), strcpy(), strcat(), strcmp().

The function strlen() is used to find the length of the given string. This function returns only the integer data (or) numeric data.

The function strlen() counts the number of characters in a given string and returns the integer value.

It stops counting the character when NULL character is found. Because, NULL character indicates the end of the string in C.

The syntax of strlen() is integer\_variable = strlen(string);.

Here string is a group of characters, strlen() function finds the length of the string and the integer value will be stored in the integer\_variable.

The string.h header file supports all the string functions in C language.

Fill in the missing code in the below program to find the length of a string using strlen() function.

For example:

Input	Result
NarendraWodi	The length of the st

## Answer: (penalty regime: 0 %)





Question 2
Correct
Marked out of 1.00
P Flag question

The function strcpy() is used to copy one string into another string including the NULL character (terminator char '\0').

The syntax of strcpy() is strcpy(string1, string2);.

Where string1, string2 are two strings and the string2 is copied into string1. In this case the copied string is available in string1 and both strings contains the same data.

If the length of string1 is less than the length of string2 then entire string2 value will not be copied into string1.

For example, consider the length of string1 is 20 and the length of string2 is 30. Then, only the first 20 characters from string2 will be copied into string1, the remaining 10 characters will not be copied and will be truncated.

Understand and retype the below code which demonstrates the usage of strcpy() function.

#include <stdio.h> #include <string.h>

int main()

char str1[20], str2[20];

scanf("%s", str2); strcpy(str1, str2); printf("The copied string = %s", str1);

return 0;

## For example:

Input Result
Rose The copied string = Rose

```
printf("The copied st
```



Question 3 Correct Marked out of 1.00 The function strcat() is used to concatenate two strings into a single string. The syntax of strcat() is strcat(string1, string2);where string1, string2 are two different strings. Here string2 is concatenated with string1, and the concatenated string is stored in string1. In streat() operation, NULL character (NP) of string1 is overwritten by first character of string2 and NULL character (NP) is appended (added) at the end of new string1 which is created after streat() operation. atter streat() operation.
Fill the missing code in the below program to display the concetenated string using streat() function.
For example:
Input Result
REC RECCHONAL
RECCHONAL Answer: (penalty regime: 0 %) Reset answer int main() {
 char str1[20], str2[2 scanf("%s", str1); scanf("%s", str2); strcat(str1, str2); printf("%s\n", str1); | Input Expected Got
| REC | RECchennal RECche Passed all tests! ✓ The function stremp() is used for comparison of two strings and it always comparison of two strate. This function returns the numeric data. This function returns the numeric data compares strings character by character compares strings character by character using their ASCII values. The syntax of strcmp() is variable syntax of strcmp(). string2). Where string1, string2 are two strings and the variable is of integer datatype. The comparison of two strings is dependent on the alphabets dependent on the alphabets of the strings. ror example:

Input

Narendrawodi

Narendrawodi naren...

Krishna Godavari The Strins two strins Answer (penaty regime: 0 %)

Answer (penaty r int main() {
char a[20], b[20]; scan('"s", b);

(srcmp(a, b) gaver

(srcmp(a, b);

(srcmp(a, c);

(srcmp(a, c); Input

In

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

```
#include <stdio.h>
 2
   int main()
3 √ {int a,b,c;
    scanf("%d%d%d",&a,&b,&c);
4
   if(a+b+c>=180)
 5
   {printf("The candidate is
6
7
    }
   else
8
   {printf("The candidate is
10
11
```

	Input			Expected	
~	70	60	80	The	candidate
~	50 8	80 80		The	candidate

Passed all tests! <

```
#include<stdio.h>
 1
 2
    int main()
3 √ {int x,y,z,smallest;
    scanf("%d\n%d\n%d\n",&x,&
4
 5
    smallest=x;
   if(y<smallest)</pre>
 6
 7
    { printf ("%d",y);
 8
   else if(z<smallest)</pre>
 9
10
   |{printf("%d",z);
11
   |}
   else
12
   { printf("%d",x);
13
14
15
```

	Input	Expected	Got	
<b>~</b>	40	30	30	~
	30			
	50			
<b>~</b>	15	15	15	<b>✓</b>
	15			
	15			