

```
#include<stdio.h>
#include<limits.h>
int main()
{
    int n, l = INT_MIN, s1 = INT_MIN;
    scanf("%d", &n);
    int arr[n];
    for(int i=0; i<n; i++)
    {
        scanf("%d", &arr[i]);
        if(arr[i] > l)
        {
            s1 = l;
            l = arr[i];
        }
        else if(arr[i] > s1 && arr[i] != l)
        {
            s1 = arr[i];
        }
    }
    printf("The largest element of the array = %d\n", l);
    if(s1 == INT_MIN)
    {
        printf("no\n");
    }
    else
    {
        printf("The second largest element of the array = %d\n", s1);
    }
    return 0;
}
```

```
#include<stdio.h>
#include<limits.h>
int main()
{
    int n,s=INT_MAX,ss=INT_MAX;
    scanf("%d",&n);
    int arr[n];
    for(int i=0;i<n;i++)
    {
        scanf("%d",&arr[i]);
        if(arr[i]<s)
        {
            ss=s;
            s=arr[i];
        }
        else if (arr[i]<ss && arr[i]!=s)
        {
            ss=arr[i];
        }
    }
    printf("Min element = %d\n",s);
    if(ss==INT_MAX)
    {
        printf("no\n");
    }
    else
    {
        printf("Second min element = %d\n",ss);
    }
}
```

4 The total marks = 175
36 The average marks = 43.750000
45
38
56

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,n,t=0;
5     float a;
6     scanf("%d",&n);
7     for(i=0;i<n;i++)
8     {
9         int m;
10        scanf("%d",&m);
11        t+=m;
12    }
13    a=(float)t/n;
14    printf("The total marks = %d\n",t);
15    printf("The average marks = %.6f\n",a);
16 }
```

```
#include <stdio.h>
int main()
{
    int i, j, m, n, p, q;
    int a[5][5], b[5][5], c[5][5];
    scanf("%d %d", &m, &n);
    for (i=0;i<m;i++)
    { // Complete the code in for
        for (j=0;j<n;j++)
        { // Complete the code in for
            scanf("%d", &a[i][j]);
        }
    }
    scanf("%d %d", &p, &q);
    for (i=0;i<m;i++)
    { // Complete the code in for
        for (j=0;j<n;j++)
        { // Complete the code in for
            scanf("%d ", &b[i][j]);
        }
    }
    printf("The given matrix-1 is\n");
    for(i=0;i<m;i++)
    {
        for(j=0;j<n;j++)
        {
            printf("%d ",a[i][j]);
        }
        printf("\n");
    }
}
```

=165287&cmid=77

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59 }
```

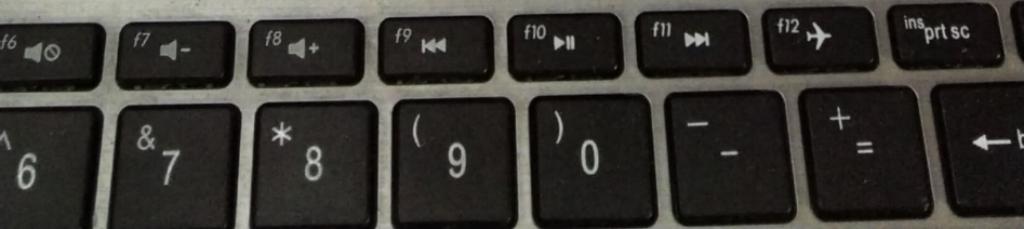
printf("The given matrix-2 is\n");
for(i=0;i<m;i++)
{
 for(j=0;j<n;j++)
 {
 printf("%d ",b[i][j]);
 }
 printf("\n");
}
if (m!=p || n!=q)
{
 printf("Addition of two matrices is\n");
}
else
{ // Write the condition part
 for (i=0;i<m;i++)
 { // Complete the code in for
 for (j=0;j<n;j++)
 { // Complete the code in for
 c[i][j] = a[i][j]+b[i][j]; // Complete the statement
 }
 }
 printf("Addition of two matrices is\n");
 for(i=0;i<m;i++)
 {
 for(j=0;j<n;j++)
 {
 printf("%d ",c[i][j]);
 }
 }
}



attempt=165287&cmid=77

```
1 #include <stdio.h>
2 int main()
3 {
4     int i, j, m, n, p, q;
5     int a[5][5], b[5][5], c[5][5];
6     scanf("%d %d", &m, &n);
7     for (i=0;i<m;i++)
8     { // Complete the code in for
9         for (j=0;j<n;j++)
10        { // Complete the code in for
11            scanf("%d", &a[i][j]);
12        }
13    }
14    scanf("%d %d", &p, &q);
15    for (i=0;i<m;i++)
16    { // Complete the code in for
17        for (j=0;j<n;j++)
18        { // Complete the code in for
19            scanf("%d", &b[i][j]);
20        }
21    }
22    printf("The given matrix-1 is\n");
23    // Write the code to display Matrix-1 elements
24    for(i=0;i<m;i++){
25        for(j=0;j<n;j++){
26            printf("%d",a[i][j]);
27        }
28        printf("\n");
29    }
30
31    printf("The given matrix-2 is\n");
32    // Write the code to display Matrix-2 element
33    for (i=0;i<n;i++)
```

Practice Session / Coding



```
1 printf("The given matrix-2 is\n");
2 // Write the code to display Matrix-2 element
3     for (i=0;i<p;i++){
4         for(j=0;j<q;j++){
5             printf("%d", b[i][j]);
6         }
7         printf("\n");
8     }
9     if(n==p)
10    {
11        for(i=0;i<m;i++)
12    { // Complete the code in for
13        for (j=0;j<p;j++)
14        { // Complete the code in for
15            c[i][j] = 0 ; // Complete the statement
16            for (k=0;k<n;k++)
17            { // Complete the code in for
18                c[i][j] =a[i][k]*b[k][j] ;// Complete the statement
19            }
20        }
21    }
22    printf("Multiplication of two matrices is\n");
23 // Write the code to display resultant matrix elements
24 for(i=0;i<m;i++){
25     for(j=0;j<q;j++){
26         printf("%d",c[i][j]);
27     }
28     printf("\n");
29 }
30 }
31 else
32 {
33 }
```

```

}
printf("Multiplication of two matrices is\n");
// Write the code to display resultant matrix elements
for(i=0;i<m;i++){
    for(j=0;j<q;j++){
        printf("%d",c[i][j]);
    }
    printf("\n");
}

else
{
    printf("Multiplication is not possible");
}
return 0;

```

ut	Expected	Got
3 5 7 9	The given matrix-1 is 1 2 3 5 7 9	The given matrix-1 is 123 579
1 5 6 7	The given matrix-2 is 3 2 1 5 6 7	The given matrix-2 is 32 56 20480
	Multiplication of two matrices is 23 33	Multiplication of two matrices is 61440

```
#include <stdio.h>

int main()
{
    char line[100];
    int i, vowels = 0, consonants = 0, digits = 0, spaces = 0;
    fgets(line, sizeof(line), stdin);
    for (i=0;line[i]!='\0';i++)
    { // Complete the code in for
        if (line[i]=='a'||line[i]=='e'||line[i]=='i'||line[i]=='o'||line[i]=='u'||line[i]=='A'
            { // Write the condition part
                ++vowels;
            }
        else if ((line[i]>='a' && line[i]<='z')||(line[i]>='A' && line[i]<='Z'))
            { // Write the condition part
                ++consonants;
            }
        else if (line[i]>='0' && line[i]<='9')
            { // Write the condition part
                ++digits;
            }
        else if (line[i]== ' ')
            { // Write the condition part
                ++spaces;
            }
    }
    printf("Vowels = %d\n", vowels);
    printf("Consonants = %d\n",consonants);
    printf("Digits = %d\n",digits);
    printf("White spaces = %d", spaces);
    return 0;
}
```

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char str1[50], str2[50];
6     int i;
7     scanf("%s", str1);
8     for (i=0 ;str1[i]!='\0' ;i++)
9     { //Complete the code in for
10         str2[i] =str1[i] ;
11     }
12     str2[i] = '\0' ; //Complete the statement
13     printf("The copied string = %s\n", str2);
14     return 0;
15 }
```

Reset answer

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char a[20], b[20], c[20];
6     int i=0, j=0;
7     scanf("%s", a);
8     scanf("%s", b);
9     for (i=0;a[i]!='\0';i++)
10    { // Complete the code in for
11        c[i] = a[i] ; //Complete the statement
12    }
13    for (j=0;b[j]!='\0';j++ )
14    { // Complete the code in for
15        c[i+j] = b[j] ; //Complete the statement
16        //i++;
17    }
18    c[i+j] = '\0'; //Complete the statement
19    printf("%s\n", c);
20    return 0;
21 }
```

Reset answer

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char a[20], b[20];
6     int i = 0, flag = 0;
7     scanf("%s", a);
8     scanf("%s", b);
9     while (a[i]!='\0' || b[i]!='\0' )
10    { //Complete the condition part
11        if (a[i]!=b[i] )
12            { //Complete the condition part
13                flag =1 ; //Complete the statement
14                break;
15            }
16        i++;
17    }
18    if (flag ==0 && a[i]=='\0'&& b[i]=='\0' )
19    { //Complete the condition part
20        printf("Two strings are equal\n");
21    }
22    else
23    {
24        printf("Two strings are not equal\n");
25    }
26    return 0;
27 }
```

```
3 int main()
4 {
5     char str[20], ch;
6     int count = 0, i;
7     scanf("%s", str);
8     scanf(" %c", &ch);
9     for (i=0;str[i]!='\0';i++)
10    { // Complete the code in for
11        if (str[i]==ch)
12            { // Write the condition part
13                count++;
14            }
15    }
16    if (count==0)
17    { // Write the condition part
18        printf("The character '%c' is not presented in the string %s\n", ch, str);
19    }
20    else
21    {
22        printf("Occurrence of character '%c' in the given string %s = %d\n", ch, str, count);
23    }
24    return 0;
25 }
```

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int upper_count = 0, lower_count = 0;
6     char ch[80];
7     int i;
8     scanf("%s",ch ); // Complete the statement
9     i =0 ; // Complete the statement
10    while (ch[i]!='\0' )
11    { // Write the condition part
12        if (ch[i]>='A' && ch[i]<= 'Z' )
13        { // Write the condition part
14            upper_count++;
15        }
16        if (ch[i]>='a' && ch[i]<= 'z' )
17        { // Write the condition part
18            lower_count++;
19        }
20        i++;
21    }
22    printf("Number of uppercase letters = %d\n", upper_count );
23    printf("Number of lowercase Letters = %d\n", lower_count );
24
25 }
```

```
1 #include<stdio.h>
2
3 int main()
4 {
5     char ch[80], temp;
6     int i, j;
7     scanf("%s", ch);
8     i = j = 0;
9     while (ch[j]!='\0')
10    { // Write the condition part
11        j++;
12    }
13    j--;
14    while (i < j)
15    { // Write the condition part
16        temp = ch[i] ; // Complete the statement
17        ch[i] = ch[j] ; // Complete the statement
18        ch[j] = temp; // Complete the statement
19        i++;
20        j--;
21    }
22    printf("The reverse of a given string : %s\n", ch);
23    return 0;
24 }
```

```
1 #include <stdio.h>
2
3 int main()
4 {
5     char ch[80];
6     int i, j, length, flag = 0;
7     scanf("%s",ch ); // Complete the statement
8     length = 0;
9     while (ch[length]!=0 )
10    { //Write the condition part
11        length++;
12    }
13    for (i=0,j=length-1;i<length/2;i++,j-- )
14    { // Complete the code in for
15        if (ch[i]!=ch[j] )
16        { // Write the condition part
17            flag++;
18            break;
19        }
20    }
21    if (flag==0 )
22    { // Write the condition part
23        printf("The given string %s is a palindrome\n",ch ); // Complete the statement
24    }
25    else
26    {
27        printf("The given string %s is not a palindrome\n", ch ); // Complete the statement
28    }
29    return 0;
30 }
```

Activate Windows

Go to Settings to activate Windows

Reset answer

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char ch[20];
7     scanf("%s", ch);
8     printf("The length of the string %s is %ld\n", ch, strlen(ch)); //Correct the code
9     return 0;
10 }
```

I

Input

Expected

Got

The length of the string NarendraModi is 12. The length of the string NarendraModi is 12.

```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char str1[20],str2[20];
6     scanf("%s",str2);
7     strcpy(str1,str2);
8     printf("The copied string = %s",str1);
9     return 0;
0 }
```

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char str1[20], str2[20];
7     scanf("%s", str1);
8     scanf("%s", str2);
9     strcat(str1, str2);           ]
10    printf("%s\n", str1 ); // Correct the code
11    return 0;
12 }
```

[Reset answer](#)

```
1 #include <stdio.h>
2 #include <string.h>
3
4 int main()
5 {
6     char a[20], b[20];
7     //int i,j;
8     scanf("%s", a);
9     scanf("%s", b);
10
11    if (strcmp(a,b)==0 )
12    { // Correct the code
13        printf("The given two strings are equal\n");
14    }
15    else if (strcmp(a,b)>0 )
16    { // Correct the code
17        printf("The string %s is higher than the string %s\n", a, b);
18    }
19    else
20    {
21        printf("The string %s is higher than the string %s\n", b, a);
22    }
23
24 }
```