



```
1 #include<stdio.h>
2 int main(){
3     int arr[100],sum=0,size,i,a;
4     printf("Enter the size of array:");
5     scanf("%d",&size);
6     for(i=0;i<size;i++){
7         printf("\nEnter the number:");
8         scanf("%d",&arr[i]);
9     }
10    for(i=0;i<size;i++){
11        sum+=arr[i];
12    }
13    a=sum/size;
14    printf("\nThe sum of the numbers = %d",sum);
15    printf("\nThe average of the numbers = %d",a);
16    return 0;
17 }
```

```
3
1 2 3
```

```
I
```

```
Enter the size of array:
Enter the number:
Enter the number:
Enter the number:
The sum of the numbers = 6
The average of the numbers = 2
```

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```
1 #include<stdio.h>
2 int main(){
3     int max,min,l,m,n;
4     printf("\nEnter the first number:");
5     scanf("%d",&l);
6     printf("\nEnter the second number:");
7     scanf("%d",&m);
8     printf("\nEnter the third number:");
9     scanf("%d",&n);
10    if(l!=m && m!=n && n!=l && n>0 || m>0 || l>0){
11        if(l>m && l>n){
12            printf("\nThe first number %d is the maximum of three",l);
13            if(m>n){
14                printf("\n%d is the minimum of three nos",n);
15            }
16            else{
17                printf("\n%d is the minimum of three nos",m);
18            }
19        }
20    }
21    else if(m>l && m>n){
22        printf("\nThe second number %d is the maximum of three",m);
23        if(l>n){
24            printf("\n%d is the minimum of three nos",l);
25        }
26        else{
27            printf("\n%d is the minimum of three nos",n);
28        }
29    }
30    }
```

7  
29  
34

Enter the first number:  
Enter the second number:  
Enter the third number:  
The third number 34 is the maximum of three  
7 is the minimum of three nos

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```
20 }
21 else if(m>l && m>n){
22     printf("\nThe second number %d is the maximum of three",m);
23     if(l>n){
24         printf("\n%d is the minimum of three nos",n);
25     }
26     else{
27         printf("\n%d is the minimum of three nos",l);
28     }
29 }
30 else{
31     printf("\nThe third number %d is the maximum of three",n);
32     if(m>l){
33         printf("\n%d is the minimum of three nos",l);
34     }
35     else{
36         printf("\n%d is the minimum of three nos",m);
37     }
38 }
39 }
40 }
41 else{
42     printf("\nInvalid input");
43 }
44 return 0;}
```

Enter the first number:  
Enter the second number:  
Enter the third number:  
The third number 34 is the maximum of three  
7 is the minimum of three nos

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ENG

IN

07:32

29/04/2023



Lenovo



Write a program that calculates the area of a rectangle given its length and width.

Problem Description:

Write a program that calculates the area of a rectangle given its length and width. The program should prompt

Specifically, the program should take two numeric inputs from the user, one for the length and one for the width.

Sample Input and Output:

Example 1:

Input:

Length: 5

Run

Save

```
1 #include<stdio.h>
2 int main(){
3     int l,b,a;
4     printf("\nEnter length:");
5     scanf("%d",&l);
6     printf("\nEnter breadth:");
7     scanf("%d",&b);
8     a=l*b;
9     printf("\nArea of the rectangle = %d",a);
10    return 0;
11 }
```

5 6



Type here to search





Run

Save

```
1 #include<stdio.h>
2 int main(){
3     int year;
4     printf("Enter year:");
5     scanf("%d",&year);
6     if((year%4==0) && ((year%400==0) || (year%100!=0))){
7         printf("It is a leap year");}
8     else {
9         printf("It is not a leap year");}
10 return 0;}
```

1704

Enter year:It is a le