



main.c



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Run

Output

Clear

```
1 #include<stdio.h>
2 #include<string.h>
3 void main(){
4     char string[20],temp;
5     int i,length;
6     printf("enter the string:");
7     scanf("%s",string);
8     length=strlen(string)-1;
9     for(int i=0;i<strlen(string)/2;i++){
10         temp=string[i];
11         string[i]=string[length];
12         string[length--]=temp;
13     }
14     printf("reverse string:%s",string);
15 }
```

enter the string:dictionary
reverse string:yranoitcid

=== Code Exited With Errors ===



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Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int arr[10],size,i,largest,smallest;
5     printf("enter the size of the array:");
6     scanf("%d",&size);
7     printf("enter the array elements:\n");
8     for(int i=0;i<size;i++){
9         scanf("%d",&arr[i]);
10    }
11    largest=smallest=arr[0];
12    for(int i=1;i<size;i++){
13        if (arr[i]>largest){
14            }
15        if (arr[i]<smallest){
16            smallest=arr[i];
17        }
18    }
19    printf("largest element:%d\n",largest);
20    printf("smallest element:%d\n",smallest);
21    return 0;
22 }
```

```
- enter the size of the array:6
enter the array elements:
0 6 8 2 4 1
largest element:8
smallest element:1
```

=== Code Execution Successful ===

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Run

Output

Clear

```
1  #include<stdio.h>
2  void swap(int *x,int *y)
3  {
4      int temp;
5      temp=*x;
6      *x=*y;
7      *y=temp;
8  }
9  int main()
10 {
11     int num1,num2;
12     printf("enter the value of num1:");
13     scanf("%d",&num1);
14     printf("enter the value of num2:");
15     scanf("%d",&num2);
16     printf("before swapping: num1 is:%d,num2 is:%d\n",num1,num2);
17     swap(&num1,&num2);
18     printf("after swapping: num1 is:%d,num2 is:%d\n",num1,num2);
19     return 0;
20 }
21 |
```

enter the value of num1:10
enter the value of num2:40
before swapping: num1 is:10,num2 is:40
after swapping: num1 is:40,num2 is:10

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```
1 #include<stdio.h>
2 #include<string.h>
3 void main(){
4     char string[20],temp;
5     int i,length;
6     printf("enter the string:");
7     scanf("%s",string);
8     length=strlen(string)-1;
9     for(int i=0;i<strlen(string)/2;i++){
10         temp=string[i];
11         string[i]=string[length];
12         string[length--]=temp;
13     }
14     printf("reverse string:%s",string);
15 }
```

enter the string:dictionary
reverse string:yranoitcid

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```
1 #include<stdio.h>
2 int main()
3 {
4     int num=10;
5     int*ptr;
6     ptr=&num;
7     printf("value of num:%d\n",*ptr);
8     *ptr=20;
9     printf("modified value of num:%d\n",num);
10    return 0;
11 }
```

value of num:10
modified value of num:20

=== Code Execution Successful ===



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```
1 #include<stdio.h>
2 int main()
3 {
4     char str[10];
5     int i,length=0;
6     printf("enter a string:\n");
7     scanf("%s",str);
8     for(i=0;str[i]!='\0';i++)
9     {
10         length++;
11     }
12     printf("length of input string:%d\n",length);
13     return 0;
14 }
```

enter a string:
Greek
length of input string:5

=== Code Execution Successful ===



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Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,sum=0,avg;
5     printf("enter the size of an array\n");
6     scanf("%d",&n);
7     int a[n];
8     for(int i=0;i<n;i++)
9     {
10         printf("enter the %d element\n",i);
11         scanf("%d",&a[i]);
12     }
13     for( int i=0;i<n;i++)
14     {
15         sum=sum+a[i];
16     }
17     avg=(sum)/n;
18     printf("sum=%d and average=%d",sum,avg);
19     return 0;
20 }
```

enter the size of an array

6

enter the 0 element

4

enter the 1 element

7

enter the 2 element

3

enter the 3 element

1

enter the 4 element

5

enter the 5 element

2

sum=22 and average=3

=== Code Execution Successful ===

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Clear

```
1  #include<stdio.h>
2  void swap(int *x,int *y)
3  {
4      int temp;
5      temp=*x;
6      *x=*y;
7      *y=temp;
8  }
9  int main()
10 {
11     int num1,num2;
12     printf("enter the value of num1:");
13     scanf("%d",&num1);
14     printf("enter the value of num2:");
15     scanf("%d",&num2);
16     printf("before swapping: num1 is:%d,num2 is:%d\n",num1,num2);
17     swap(&num1,&num2);
18     printf("after swapping: num1 is:%d,num2 is:%d\n",num1,num2);
19     return 0;
20 }
21 |
```

enter the value of num1:10
enter the value of num2:40
before swapping: num1 is:10,num2 is:40
after swapping: num1 is:40,num2 is:10

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```
1 #include<stdio.h>
2 #include<string.h>
3 void main(){
4     char string[20],temp;
5     int i,length;
6     printf("enter the string:");
7     scanf("%s",string);
8     length=strlen(string)-1;
9     for(int i=0;i<strlen(string)/2;i++){
10         temp=string[i];
11         string[i]=string[length];
12         string[length--]=temp;
13     }
14     printf("reverse string:%s",string);
15 }
```

enter the string:dictionary
reverse string:yranoitcid

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Output

Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int num=10;
5     int*ptr;
6     ptr=&num;
7     printf("value of num:%d\n",*ptr);
8     *ptr=20;
9     printf("modified value of num:%d\n",num);
10    return 0;
11 }
```

value of num:10
modified value of num:20

=== Code Execution Successful ===



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```
1 #include<stdio.h>
2 int main()
3 {
4     char str[10];
5     int i,length=0;
6     printf("enter a string:\n");
7     scanf("%s",str);
8     for(i=0;str[i]!='\0';i++)
9     {
10         length++;
11     }
12     printf("length of input string:%d\n",length);
13     return 0;
14 }
```

enter a string:
Greek
length of input string:5

=== Code Execution Successful ===



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Output

Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,sum=0,avg;
5     printf("enter the size of an array\n");
6     scanf("%d",&n);
7     int a[n];
8     for(int i=0;i<n;i++)
9     {
10         printf("enter the %d element\n",i);
11         scanf("%d",&a[i]);
12     }
13     for( int i=0;i<n;i++)
14     {
15         sum=sum+a[i];
16     }
17     avg=(sum)/n;
18     printf("sum=%d and average=%d",sum,avg);
19     return 0;
20 }
```

enter the size of an array

6

enter the 0 element

4

enter the 1 element

7

enter the 2 element

3

enter the 3 element

1

enter the 4 element

5

enter the 5 element

2

sum=22 and average=3

=== Code Execution Successful ===



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Run

Output

Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     double arr[10];
6     printf("enter the number of elements(1 to 10):");
7     scanf("%d",&n);
8     for(int i=0;i<n;i++){
9         printf("enter number%d:",i+1);
10        scanf("%lf",&arr[i]);
11    }
12    for(int i=1;i<n;i++){
13        if(arr[0]<arr[i]){
14            arr[0]=arr[i];
15        }
16    }
17    printf("largest element=%.2lf",arr[0]);
18    return 0;
19 }
20
```

```
enter the number of elements(1 to 10):5
enter number1:8
enter number2:3
enter number3:4
enter number4:7
enter number5:2
largest element=8.00
```

```
=== Code Execution Successful ===
```

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Run

Output

```
1 #include<stdio.h>
2 int main()
3 {
4     int size,i,num,occurance=0;
5     printf("enter the size of an array:\n");
6     scanf("%d",&size);
7     int arr[size];
8     printf("enter the array element:");
9     for(int i=0;i<size;i++)
10    {
11        scanf("%d",&arr[i]);
12    }
13    printf("enter the array element to know:\n");
14    scanf("%d",&num);
15    for(i=0;i<size;i++)
16    {
17        if(arr[i]==num)
18        {
19            occurance++;
20        }
21    }
22    printf("%d occured %d times:\n",num,occurance);
23 }
```

enter the size of an array:

5

enter the array element:8 4 8 6 3

enter the array element to know:

8

8 occured 2 times:

=== Code Execution Successful ===





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Run

Output

Clear

```
1 #include<stdio.h>
2 int main()
3 {
4     int first,second,*x,*y,sum;
5     printf("enter two integers to add\n");
6     scanf("%d%d",&first,&second);
7     x=&first;
8     y=&second;
9     sum=*x + *y;
10    printf("sum of entered numbers=%d\n",sum);
11    return 0;
12 }
```

```
enter two integers to add
6 5
sum of entered numbers=11
```

```
=== Code Execution Successful ===
```