

شایان گلمحمدی - تهران مرکز - ورودی 99 - یکشنبه ساعت 7:30

تمرین ارسال پارامتر به توابع :

تمرین ها :

۱-

```
-19 10 51
10
0 20 112
20
-380 40 802
40
-40 80 1682
80
```

۲-

```
1  #include <iostream>
2  using namespace std;
3  float avg(int *list,int num){
4      float sum=0;
5      for (int i=0;i<num;i++){
6          sum+=list[i];
7      }
8      return(sum/num);
9  }
10 int main(){
11     cout<<endl;
12     int *list,num;
13     cout<<"array size : ";
14     cin>>num;
15     list = new int[num];
16     cout<<"input numbers : ";
17     for (int i=0;i<num;i++){
18         cin>>list[i];
19     }
20     cout<<endl<<"average is "<<avg(list,num)<<endl;
21     return 0;
22 }
```

```
array size : 6
input numbers : 2 3 5 6 8 9

average is 5.5

Press any key to continue . . .
```

-۳

```
1  #include <iostream>
2  using namespace std;
3  bool checker(int *list,int num,int x){
4      bool y=false;
5      for (int i=0;i<num;i++){
6          if (list[i]==x){
7              y=true;
8              break;
9          }
10     }
11     return(y);
12 }
13 int main(){
14     cout<<endl;
15     int *list,num,x;
16     cout<<"array size : ";
17     cin>>num;
18     list = new int[num];
19     cout<<"input numbers : ";
20     for (int i=0;i<num;i++){
21         cin>>list[i];
22     }
23     cout<<"input x : ";
24     cin>>x;
25     cout<<endl<<checker(list,num,x)<<endl;
26     return 0;
27 }
```

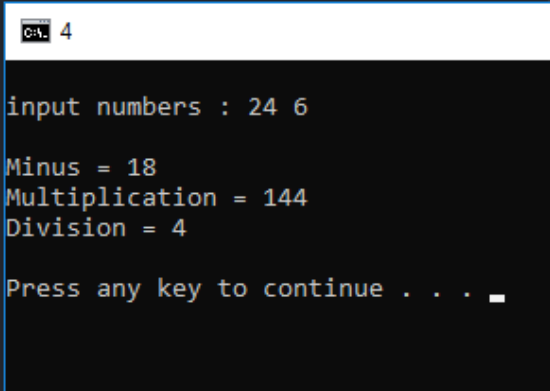
```
array size : 10
input numbers : 1 2 3 4 5 6 7 8 9 10
input x : 6

1

Press any key to continue . . . _
```

-۴

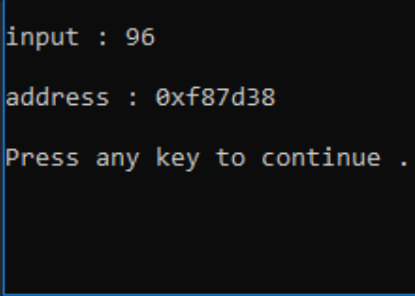
```
1  #include <iostream>
2  using namespace std;
3  void calc(float x,float y,float &minus,float &mult,float &div){
4      minus = x-y;
5      mult = x*y;
6      div = x/y;
7  }
8  int main(){
9      float x,y,minus,mult,div;
10     cout<<endl<<"input numbers : ";
11     cin>>x>>y;
12     calc(x,y,minus,mult,div);
13     cout<<endl<<"Minus = "<<minus;
14     cout<<endl<<"Multiplication = "<<mult;
15     cout<<endl<<"Division = "<<div<<endl;
16     return 0;
17 }
```



Output window (Ctrl + 4) showing the execution of the program. The input numbers are 24 and 6. The calculated values are: Minus = 18, Multiplication = 144, and Division = 4. The prompt "Press any key to continue . . ." is displayed at the bottom.

-۵

```
1  #include <iostream>
2  using namespace std;
3  void * address(int *a,int n){
4      a=new int[n];
5      return(a);
6  }
7  int main(){
8      cout<<endl;
9      int *a,n;
10     cout<<"input : ";
11     cin>>n;
12     cout<<endl<<"address : "<<address(a,n)<<endl;
13     return 0;
14 }
```



Output window showing the execution of the program. The input is 96. The calculated address is 0xf87d38. The prompt "Press any key to continue ." is displayed at the bottom.