1.Calculate the product of all the elements in the given array. Solution:



2. Find the second largest element in the given Array in one pass. Solution:



3. Find the minimum value out of all elements in the array. Solution:

```
[] 🕓 🧠 Share
 main.cpp
                                                                          Run
                                                                                     Output
  1 #include <iostream>
                                                                                    /tmp/XwTmnVFbff.o
  2 #include <climits>
  3 using namespace std;
                                                                                   === Code Execution Successful ===
  5 * int main(){
      int arr[5] = {1,2,3,4,5};
  6
        int min=INT_MAX;
       for(int i=0;i<5;i++){
  9 +
          if(arr[i]<min){</pre>
 10
               min = arr[i];
 11
 12
        }
 13
         cout<<min;</pre>
14 }
```

4. Given an array, predict if the array contains duplicates or not.

```
[] ७ 

Share
                                                                             Run
 main.cpp
                                                                                          Output
 1 #include <iostream>
                                                                                         /tmp/yMVWgh661B.o
 2 #include <climits>
                                                                                        Duplicate element present :3
 3 using namespace std;
                                                                                        === Code Execution Successful ===
 5 - int main(){
      int arr[5] = {1,2,3,3,5};
bool flag =false;
 8 - for(int i=0;i<5;i++){
       for(int j =i+1;j<5;j++){
   if(arr[i] == arr[j]){</pre>
 9 +
                   flag = true;
cout<<"Duplicate element present :"<<arr[i];</pre>
11
12
13
                   break;
14
15 }
                }
16
      if(flag == false){
17 -
18
           cout<<"Duplicate element not present";
19
20 }
```

5. WAP to find the smallest missing positive element in the sorted Array that contains only positive elements.

```
[] G & Share
  main.cpp
                                                                                                      Output
  1 #include <iostream>
                                                                                                     /tmp/pGsivx6xr3.o
  2 using namespace std;
                                                                                                    1 2 3 4 4
  4 - int main(){
                                                                                                    5
         int n;
  5
  6
          cin>>n;
                                                                                                     === Code Execution Successful ===
        int arr[n];
for(int i=0;i<n;i++){</pre>
  9
             cin>>arr[i];
  10 }
11 bool flag = true;
12 for(int i=0;i<n;i++){
12 if(orefit | -i=110)}
          if(arr[i] != i+1){
    flag = false;
  13 -
  14
  15
                   cout<<i+1;
                  break;
  16
            }
  17
  18
          if(flag == true){
    cout<<"array is prefect";</pre>
  19 -
  20
21
```

6.Predict the output.

```
int main()
{
  int sub[50], i;
  for ( i = 0 ; i <= 48 ; i++ );
  {
  sub[i] = i;
  cout<<sub[i]<<endl;
  }
  return</pre>
```