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

Solution:- #include <iostream>

using namespace std;

int main() {

int arr[5]={8,88,3,7,8};

int val= 1;

    for(int i=0;i<5;i++){

    val = val\*arr[i];

}

    cout<<val;

return 0;

}

Question2:- Find the second largest element in the given Array in one pass.

Solution:- #include <iostream>

using namespace std;

int main() {

int arr[6]={12 ,35, 1, 10, 29, 1};

int m1;

int m2;

int m3;

m1=m2=m3;

for(int i=0;i<5;i++){

if(m1<arr[i]){

m2=m1;

m1=arr[i];

}

else if(m2<arr[i] && arr[i]!=m1){

m2=arr[i];

}

}

if(m2==m3){

cout<<"No second element exists"<<endl;

}

else cout<<m2<<endl;

return 0;

}

Question3:- Find the minimum value out of all elements in the array.

Solution:- #include <iostream>

using namespace std;

int main(){

int arr[5] = {1,2,3,4,5};

int min = INT\_MAX;

for(int i=0;i<5;i++){

min = min(min,arr[i]);

}

cout << min;

return 0;

}

Question4:- Given an array, predict if the array contains duplicates or not..

#include<iostream>

using namespace std;

int main(){

    int arr[5]={1,2,4,5,5};

    bool flag=false;

    for(int i=0;i<=5;i++){

        for(int j=i+1;j<=5;j++){

            if(arr[i]==arr[j]){

                flag=true;

                cout<<arr[i];

                break;

            }

        }

    }

    if(flag==false){

        cout<<"no duplicates";

    }

    return 0;

}

Question:- WAP to find the smallest missing positive element in the sorted Array that contains only

positive elements.

Solution:- #include<iostream>

using namespace std;

int main() {

cout<<"enter 5 elements of the array"<<endl;

int n;

int a[n];

cout<<"Enter the value of the n";

cin>>n;

for(int i=0;i<5;i++){

cin>>a[i];

}

int x=0;

bool flag=false;

for(int i=0;i<n;i++){

if(a[i]!= x){

cout<<x<<endl;

flag=true;

break;

}

else x++;

}

if(flag==false) cout<<x<<endl;

return 0;

}

Question:- Predict the output.

Solution:- answer is 49.