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**PF\_Lab\_Task#11**

**Question#1**

#include<iostream>

using namespace std;

int main() {

const int size = 15;

int arr[size];

cout << "Integer Array" << endl;

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

cout << "Index : " << i << " Element : ";cin>> arr[i];

}

cout << endl;

int max = 0, count = 0, sum = 0;

for (int i = 0; i <= size-4; i++) {

sum = arr[i] + arr[i + 1] + arr[i + 2] + arr[i + 3];

if (max < sum) {

max = sum;

count = i;

}

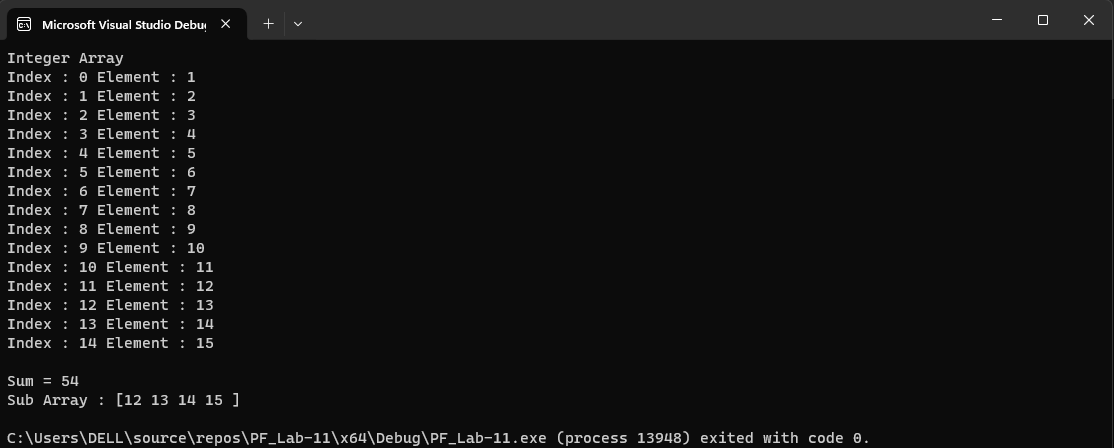
}

cout << "Sum = " << max << endl;

cout << "Sub Array : [" <<arr[count]<<" " << arr[count + 1] << " " << arr[count + 2] << " " << arr[count + 3] << " ]" << endl;

return 0;

}

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**Question#2**

#include<iostream>

using namespace std;

int main() {

const int size = 10;

int arr[size];

cout << "Input" << endl;

for (int i= 1; i <= size; i++) {

cout << "Enter Element No. " << i<<" : "; cin >> arr[i - 1];

}

cout << "Output" << endl;

for (int j = 0; j < size; j++) {

cout << "Index : " << j << " Element : " << arr[j] << endl;

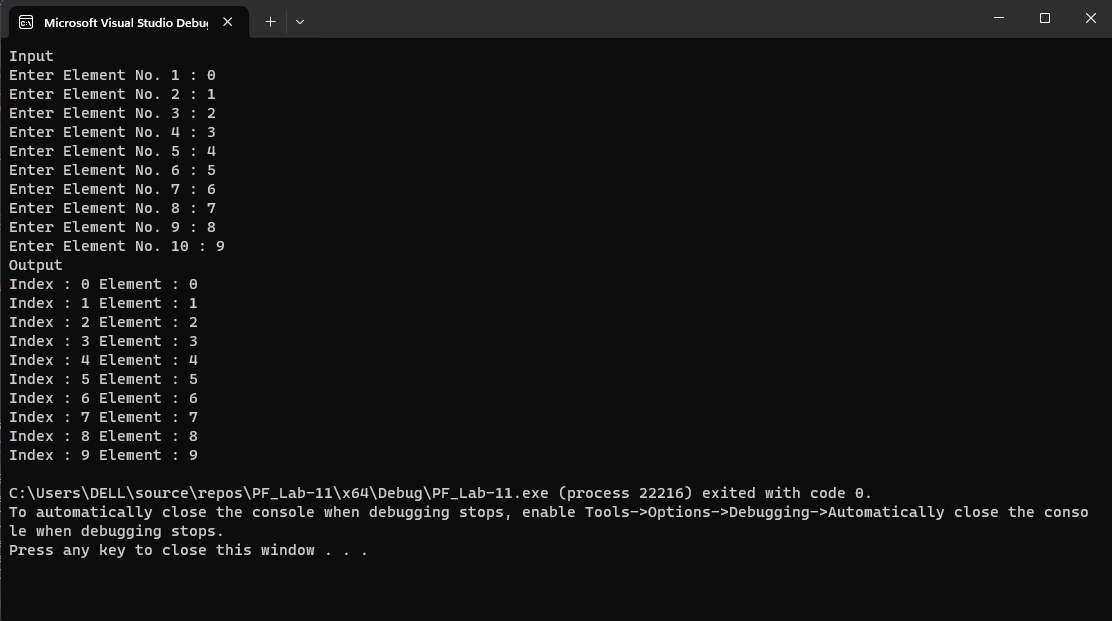
}

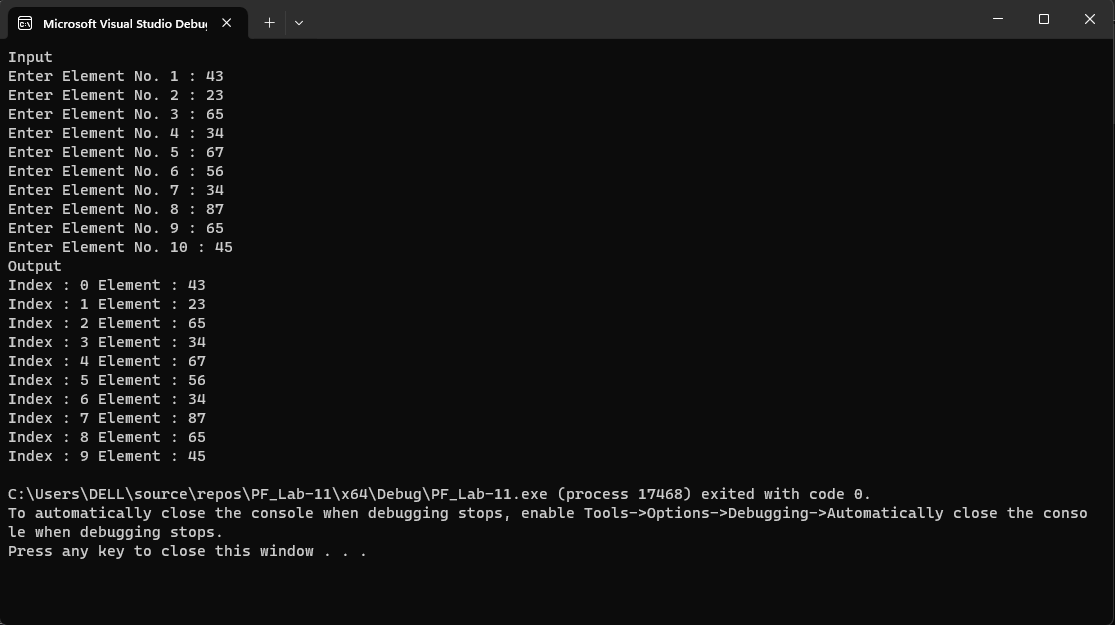
return 0;

}

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**Question#3**

#include<iostream>

using namespace std;

int main() {

const int size = 15;

int arr[size];

bool myArray[size] = { 0 };

cout << "Integer Array" << endl;

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

cout << "Index : " << i << " Element : ";cin>> arr[i];

}

cout << "Boolean Array" << endl;

for (int j = 0; j < size; j++) {

if (arr[j] % 2 == 0) {

myArray[j] = 1;

}

cout << "Index : " << j << " Element : " << myArray[j] << endl;

}

return 0;

}

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**Question#4**

#include<iostream>

using namespace std;

int main() {

const int size = 15;

int arr[size];

cout << "Input" << endl;

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

cout << "Index : " << i << " Element : ";cin>> arr[i];

}

for (int j = 0; j < size; j++) {

for (int k = j+1; k < size ; k++) {

if (arr[j] < arr[k]) {

int max = arr[j];

arr[j] = arr[k];

arr[k] = max;

}

}

}

cout << "Output" << endl;

for (int count = 0; count < size; count++) {

cout << "Index : " << count << " Element : "<< arr[count]<<endl;

}

return 0;

}



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