**Question NO :02**

#include<iostream>

using namespace std;

int maxValue(int a [], int l){

int max =0;

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

if(a[i] >max ){

max = a[i];

}

}

return max;

}

int main(){

int arr[5] = { 7,10,12,5,9};

int result = maxValue(arr, 5);

cout<<"Max Value : "<<result<<endl;

}

**OUTPUT**



**Explanation**

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Time Complexity

f(n) = 1 + n + n + 1

f(n) = 2 + 2n

removing constant

f(n) = n

Big-O(n)

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