//Optimal\_MaxSum(Kadane’sAlgorithm)

//maximum subarray sum1:

#include <iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter n =";

cin>>n;

int a[100];

int current\_sum=0;

int maximum\_sum=0;

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

cin>>a[i];}

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

current\_sum += a[i];

if(current\_sum < 0){

current\_sum = 0;

}

maximum\_sum = max(current\_sum,maximum\_sum);

}

cout<<"maximum\_sum is "<<maximum\_sum<<endl;

return 0;

}