5 Diagonal Matrix.

5. Diagonal Matrix.

#include<iostream>

using namespace std;

int main(){

int n;

int a[n];

cout<<"Enter the size of array"<<endl;

cin>>n;

cout<<"Enter the diagonal elements"<<endl;

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

cin>>a[i];

}

cout<<"Diagonal Matrix is as follows:"<<endl;

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

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

if(i==j){

cout<<a[i]<<" ";

}

else{

cout<<"0 ";

}

}

cout<<endl;

}

return 0;

}

OUTPUT :

