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**Roll No. – 106**

**Assignment no. – 2.2**

**Title – Implementation of program based on Bubble Sort(using array).**

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#include<iostream.h>

#include<conio.h>

void BUBBLE\_SORT(int \*A,int size)

{

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

{

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

{

if(A[j]>A[j+1])

{

int temp = A[j+1];

A[j+1] = A[j];

A[j] = temp;

}

}

}

cout<<"Sorted array is as given below: ";

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

{

cout<<A[i]<<" ";

}

}

void main()

{

clrscr();

int \*A,size;

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

cin>>size;

A = new int[size+1];

cout<<"Enter "<<size<<" numbers in the array: "<<endl;

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

{

cin>>A[i];

}

//calling the BUBBLE\_SORT() function

BUBBLE\_SORT(A,size);

getch();

}