



NAME – RAJDEEP JAISWAL	DATE - 17 NOV 2021
BRANCH – BTECH CSE	SEC = 608 - A
UID -20BCS2761	Subject – DS Lab

AIM -

Write a program to sort an array of integers in descending order using merge sort?

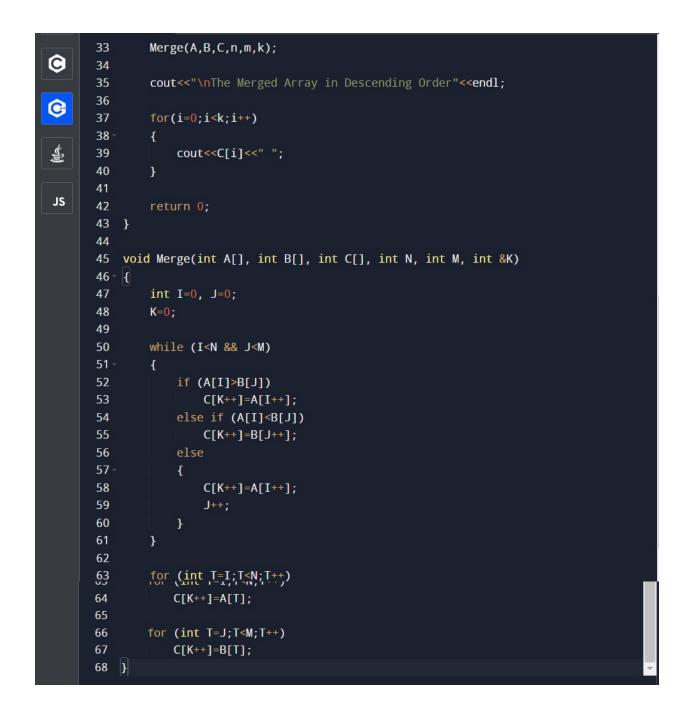
## **CODE IN COPILER -**

```
[]
                                                                                  -0-
                                                                                          Run
        main.cpp
0
        3 using namespace std;
0
           void Merge(int A[], int B[], int C[], int N, int M, int &K);
        7 int main()
鬘
                int A[100], B[100], C[200],i,n,m,k;
JS
               cout<<"\nEnter number of elements you want to insert in first array ";</pre>
               cin>>n;
       13
               cout<<"Enter element in descending order\n";</pre>
       14
                for(i=0;i<n;i++)
       18
                   cout<<"Enter element "<<i+1<<":";</pre>
       19
                    cin>>A[i];
       20
               cout<<"\nEnter number of elements you want to insert in second array ";</pre>
       24
       25
               cout<<"Enter element in descending order\n";</pre>
                for(i=0;i<m;i++)
       29
                    cout<<"Enter element "<<i+1<<":";</pre>
       30
                    cin>>B[i];
```















## **OUTPUT PROGRAM -**

```
Output
                                                                               Clear
Enter number of elements you want to insert in first array 5
Enter element in descending order
Enter element 1:12
Enter element 2:13
Enter element 3:14
1Enter element 4:5
1Enter element 5:26
Enter number of elements you want to insert in second array 3
Enter element in descending order
Enter element 1:56
Enter element 2:45
Enter element 3:56
The Merged Array in Descending Order
56 45 56 12 13 14 5 26
```







## Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			

