**Q. Write a program to implement bubble sorting algorithm :**

#include <stdio.h>

int a[10],i,j,n,temp;

int bubble\_sort()

{

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

{

for(j=1; j<=n-i; j++)

{

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

{

temp = a[j];

a[j]=a[j+1];

a[j+1]=temp;

}

}

}

printf("Sorted array : \n");

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

{

printf("a[%d] : %d\n",i,a[i]);

}

}

int main()

{

printf("Enter size of array : ");

scanf("%d",&n);

printf("Enter array elements : \n");

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

{

printf("a[%d] : ",i);

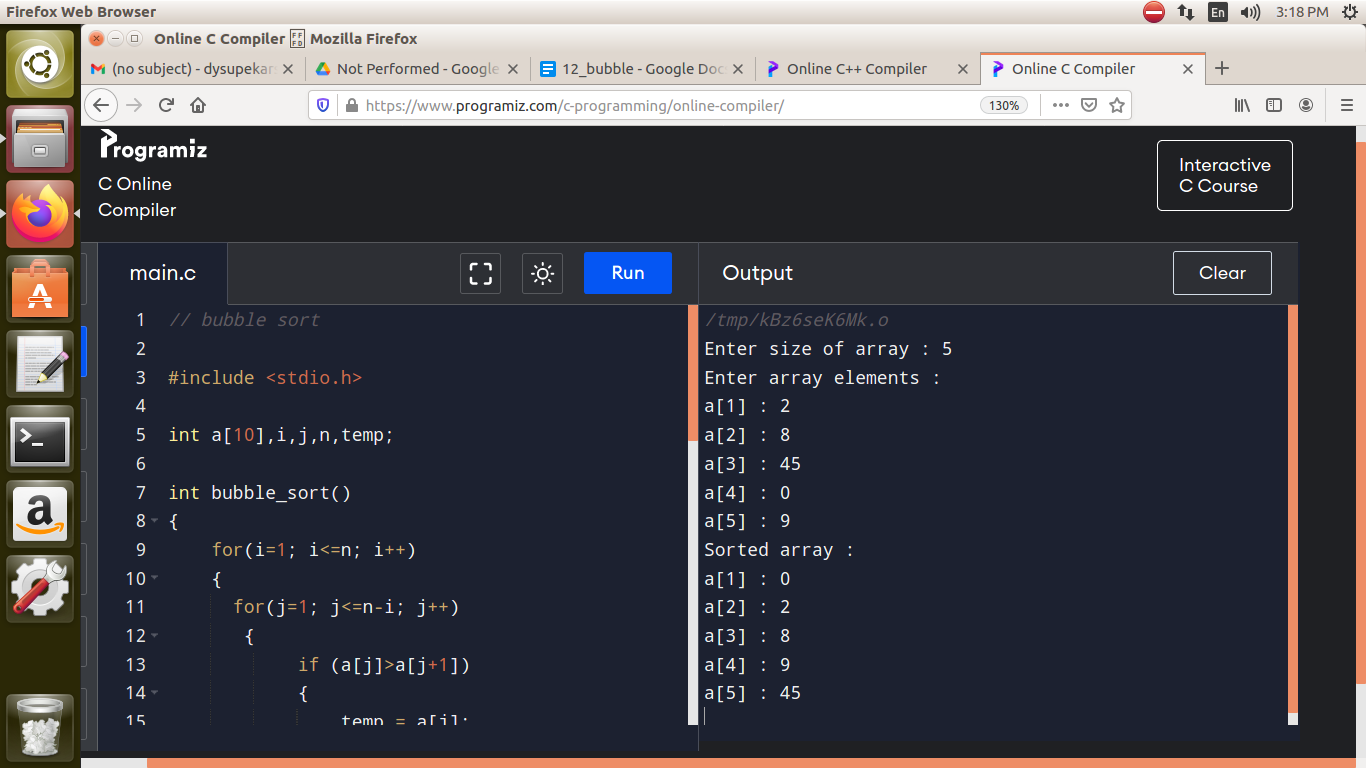
scanf("%d",&a[i]);

}

bubble\_sort();

}

**Output :**

****