**// WRITE A ‘C’ PROGRAM TO PRINT THE THIRD NON-REPEATING ELEMENT IN THE ARRAY**

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#include<stdio.h>

void thirdNonRepeating(int [],int); //Function Declaration

int main()

{

int i,j,len;

printf("\nEnter the range of array : ");

scanf("%d",&len);

int a[len];

printf("\nEnter the Array Elements : ");

for(i=0;i<len;i++)

scanf("%d",&a[i]); //Taking array elements from user

thirdNonRepeating(a,len); //Function calling

return 0;

}

void thirdNonRepeating(int a[],int len)

{

int i,j,temp,flag=1;

int non\_repeat\_count=0;

for(i=0;i<len;i++) //Outer loop traversing each element in the array

{

temp=a[i];

flag=0;

for(j=0;j<len;j++) //Inner loop checking whether element is repeating or not

{

if(a[i]==a[j])

flag++;

}

if(flag==1)

non\_repeat\_count++;

if(non\_repeat\_count==3)

break;

}

if(non\_repeat\_count==3)

printf("\nThe third non repeating element is %d ",a[i]);

else

printf("\nThird non repeating element does not exist");

/\* Printing the required third non-repeating element in the array \*/

}

**OUTPUT:**



