**Array**

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FIND OUT LARGEST NUMBER IN AN ARRAY USING C PROGRAM

**C program to find the largest element in an array**

#include<stdio.h>

int main(){

  int a[50],size,i,big;

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

  scanf("%d",&size);

  printf("\nEnter %d elements in to the array: ”, size);

  for(i=0;i<size;i++)

      scanf("%d",&a[i]);

  big=a[0];

  for(i=1;i<size;i++){

      if(big<a[i])

           big=a[i];

  }

  printf("\nBiggest: %d",big);

  return 0;

}

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FIND OUT SECOND LARGEST NUMBER IN AN UNSORTED ARRAY USING C PROGRAM

**C program to find the second largest element in an array**

#include<stdio.h>

int main(){

  int a[50],size,i,j=0,big,secondbig;

  printf("Enter the size of the array: ");

  scanf("%d",&size);

  printf("Enter %d elements in to the array: ", size);

  for(i=0;i<size;i++)

      scanf("%d",&a[i]);

  big=a[0];

  for(i=1;i<size;i++){

      if(big<a[i]){

           big=a[i];

           j = i;

      }

  }

  secondbig=a[size-j-1];

  for(i=1;i<size;i++){

      if(secondbig <a[i] && j != i)

          secondbig =a[i];

  }

  printf("Second biggest: %d", secondbig);

  return 0;

}

**Sample output:**

Enter the size of the array: 5

Enter 5 elements in to the array: 5 3 2 1 0

Second biggest: 3

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REMOVE DUPLICATE ELEMENTS IN AN ARRAY USING C PROGRAM

**#include**<stdio.h>

**int** **main**(){

**int** arr[50];

**int** \*p;

**int** i,j,k,size,n;

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

  scanf("%d",&n);

  printf("\nEnter %d elements into the array: ",n);

**for**(i=0;i<n;i++)

    scanf("%d",&arr[i]);

  size=n;

  p=arr;

**for**(i=0;i<size;i++){

**for**(j=0;j<size;j++){

**if**(i==j){

**continue**;

         }

**else** **if**(\*(p+i)==\*(p+j)){

             k=j;

             size--;

**while**(k < size){

                 \*(p+k)=\*(p+k+1);

                 k++;

              }

              j=0;

          }

      }

  }

  printf("\nThe array after removing duplicates is: ");

**for**(i=0;i < size;i++){

    printf(" %d",arr[i]);

  }

**return** 0;

}

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DELETE ELEMENT FROM AN ARRAY AT DESIRED POSITION USING C

**Write a program (wap) to delete an element at desired positionfrom an array in c language**

#include<stdio.h>

int main(){

  int a[50],i,pos,size;

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

  scanf("%d",&size);

  printf("\nEnter %d elements in to the array: ",size);

  for(i=0;i<size;i++)

            scanf("%d",&a[i]);

  printf("\nEnter position where to delete: ");

  scanf("%d",&pos);

  i=0;

  while(i!=pos-1)

            i++;

  while(i<10){

            a[i]=a[i+1];

            i++;

  }

  size--;

  for(i=0;i<size;i++)

            printf(" %d",a[i]);

  return 0;

}

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Write a c program to find out second smallest element of an unsorted array

**C program to find the second smallest element in an array**

#include<stdio.h>

int main(){

  int a[50],size,i,j=0,small,secondsmall;

  printf("Enter the size of the array: ");

  scanf("%d",&size);

  printf("Enter %d elements in to the array: ", size);

  for(i=0;i<size;i++)

         scanf("%d",&a[i]);

  small=a[0];

  for(i=1;i<size;i++){

         if(small>a[i]){

               small=a[i];

               j = i;

      }

  }

  secondsmall=a[size-j-1];

  for(i=1;i<size;i++){

         if(secondsmall > a[i] && j != i)

              secondsmall =a[i];

  }

  printf("Second smallest: %d", secondsmall);

  return 0;

}

Enter the size of the array: 5

Enter 5 elements in to the array: 5 7 3 2 6

Second smallest: 3

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INSERT AN ELMENT IN AN ARRAY AT DESIRED POSITION USING C PROGRAM

**How to insert or add an element in the array at specific or desired posting by using c programming language? Source code is as follow:**

#include<stdio.h>

int main(){

int a[50],size,num,i,pos,temp;

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

scanf("%d",&size);

printf("\nEnter %d elements in to the array: ",size);

for(i=0;iscanf("%d",&a[i]);

printf("\nEnter position and number to insert: ");

scanf("%d %d",&pos,&num);

i=0;

while(i!=pos-1)

i++;

temp=size++;

while(i{

a[temp]=a[temp-1];

temp--;

}

a[i]=num;

for(i=0;iprintf(" %d",a[i]);

return 0;

}

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C program to find largest and smallest number in an array

**C code to find largest and smallest number in an array**

#include<stdio.h>

int main(){

  int a[50],size,i,big,small;

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

  scanf("%d",&size);

  printf("\nEnter %d elements in to the array: ", size);

  for(i=0;i<size;i++)

      scanf("%d",&a[i]);

  big=a[0];

  for(i=1;i<size;i++){

      if(big<a[i])

           big=a[i];

  }

  printf("Largest element: %d",big);

  small=a[0];

  for(i=1;i<size;i++){

      if(small>a[i])

           small=a[i];

  }

  printf("Smallest element: %d",small);

  return 0;

}

Sample Output:

Enter the size of the array: 4

Enter 4 elements in to the array: 2 7 8 1

Largest element: 8

Smallest element: 1

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