**1.Read and print an array element**

**Code:**

#include<stdio.h>

int main()

{

int size;

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

scanf("%d",&size);

int arr[size];

printf("Enter the numbers:");

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

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

}

printf("\n");

printf("Array elements are:\n");

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

printf("%d\t",arr[i]);

}

return 0;

}

**2.Program to find second maximum element**

**Code:**

#include <stdio.h>

int main()

{

int arr[] = {4, 7, 2, 5, 9, 1};

int max = 0;

int second\_max = 0;

for (int i = 0; i < 6; i++)

{

if (arr[i] > max)

{

second\_max = max;

max = arr[i];

}

else if (arr[i] > second\_max && arr[i] != max)

{

second\_max = arr[i];

}

}

printf("Max: %d\n", max);

printf("Second Max: %d\n", second\_max);

return 0;

}

**3.Write the program to print the sum of array elements**

**Code:**

#include<stdio.h>

int main()

{

int size;

int sum=0;

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

scanf("%d",&size);

int arr[size];

printf("Enter the numbers:");

for(int i=0; i<size; i++)

{

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

}

printf("\n");

for(int i=0; i<size; i++)

{

sum=sum+arr[i];

}

printf("The sum is %d",sum);

return 0;

}

**4.Program to print unique numbers**

**Code:**

#include<stdio.h>

int main()

{

int arr[5]={1,2,6,4,2};

for(int i=0;i<5-1;i++){

for(int j=i+1;j<5;j++){

if(arr[i]==arr[j]){

arr[i]=-1;

arr[j]=-1;

}

}

if(arr[i]>0){

printf(“%d\t”,arr[i]);

}

}

return 0;