1. Basic program

Program:

#include<stdio.h>

main()

{

int a[5]={1,2,3,4,5};

printf("%d%d%d%d%d",a[0],a[1],a[2],a[3],a[4]);

}

1. Using scanf

Program:

1. #include<stdio.h>

main()

{

int i;

int a[5];

for(i=0;i<5;i++)

{

printf("Elements of array %d:",i);

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

}

printf("%d is 1st element in array\n",a[0]);

printf("%d is 2nd element in array\n",a[1]);

printf("%d is 3rd element in array\n",a[2]);

printf("%d is 4th element in array\n",a[3]);

printf("%d is 5th element in array\n",a[4]);

}

1. #include<stdio.h>

main()

{

int i;

int a[5];

for(i=0;i<5;i++)

{

printf("Elements of array %d:",i);

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

}

printf("array is={%d,%d,%d,%d,%d}",a[0],a[1],a[2],a[3],a[4]);

}

(3)#include<stdio.h>

main()

{

int i;

int a[5];

for(i=0;i<5;i++)

{

printf("Elements of array %d:",i);

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

}

for(i=0;i<5;i++)

{

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

}

}

1. Even or odd

Program:

#include<stdio.h>

main()

{

int i;

int arr[5];

for(i=0;i<5;i++)

{

printf("Enter the elements in the array %d = ",i);

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

// printf("array is %d\n",arr[i]);

}

for(i=0;i<5;i++)

{

if(arr[i]%2==0)

printf("%d is a even elements in the array\n ",arr[i]);

else

printf("%d is a odd elements in the array\n",arr[i]);

}

}

1. Count same numbers in the array

Program:

#include<stdio.h>

int main()

{

int n,i,j,c=0,a[20],t,num;

printf("number of elements in array:\n ");

scanf("%d",&n);

printf("Enter %d Numbers:\n",n);

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

{

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

}

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

{

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

{

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

{

t=a[i];

a[i]=a[j];

a[j]=t;

}

}

}

for(i=0;i<n;i=j)

{

num=a[i];

c=1;

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

{

if(a[j]!=num)

break;

else

c++;

}

printf("\n%d\t\t%d",num,c);

}

}

1. Sum of all elements

Program:

#include<stdio.h>

main()

{

int i,n,sum;

int a[5];

for(i=0;i<5;i++)

{

printf("Enter the elements %d: ",i);

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

}

printf("array is={%d,%d,%d,%d,%d}\n",a[0],a[1],a[2],a[3],a[4]);

sum=a[0]+a[1]+a[2]+a[3]+a[4];

printf("%d sum of the array",sum);

}

1. Copy the elements for one array to another array

Program:

#include<stdio.h>

main()

{

int i;

int a1[5];

int a2[5];

for(i=0;i<5;i++)

{

printf("Enter the elements %d: ",i);

scanf("%d",&a1[i]);

}

printf("array is={%d,%d,%d,%d,%d}\n",a1[0],a1[1],a1[2],a1[3],a1[4]);

for(i=0;i<5;i++)

{

a2[i]=a1[i];

}

printf("2nd array: {%d,%d,%d,%d,%d} ",a2[0],a2[1],a2[2],a2[3],a2[4]);

}