**Array**

1. **To store elements in array and print it**

#include <stdio.h>

int main() {

int i,n;

char marks[20];

printf("enter the value of n :");

scanf("%d",&n);

for(i=2;i<=;i++)

{

printf("the mark of student %d-",i);

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

}

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

{

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

}

return 0;

}

**2)read n number of values and display in reverse oder**

#include <stdio.h>

int main() {

int i,n,a[100];

printf("\n\nRead n number of values in an array and display it in reverse order:\n");

printf("------------------------------------------------------------------------\n");

printf("Input the number of elements to store in the array :");

scanf("%d",&n);

printf("Input %d number of elements in the array :\n",n);

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

{

printf("element - %d : ",i);

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

}

printf("\nThe values store into the array are : \n");

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

{

printf("% 5d",a[i]);

}

printf("\n\nThe values store into the array in reverse are :\n");

for(i=n-1;i>=0;i--)

{

printf("% 5d",a[i]);

}

printf("\n\n");

return 0;

}

**3)find the sum of all elements of the array**

#include <stdio.h>

int main() {

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

int sum=0;

int length=sizeof(a)/sizeof(a[0]);

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

{

sum=sum+a[i];

}

printf("sum of all elements in array: %d",sum);

return 0;

}

**Maximum and minimum in array**

#include <stdio.h>

int main() {

int a[100];

int i,n,max,min;

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

scanf("%d",&n);

printf("enter elements in array:");

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

{

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

}

min=max=a[0];

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

{

if(min>a[i])

min=a[i];

if(max<a[i])

max=a[i];

}

printf("the minimum number in the array is :%d",min);

printf("\nthe maximum number in the array is:%d",max);

return 0;

}