

**3: Write C++ program, to find the summation of array elements:**

```
#include<iostream.h>
```

```
void main ( )
```

```
{  
    int const L = 10; int a [L];  
    int sum = 0;  
    cout << "enter 10 numbers \n";  
    for ( int i =0; i <L; i++ )  
        {  
            cout << "enter value " << i << ": ";  
            cin >> a [ i ];  
            sum += a [ i ];  
        }  
    cout << "sum is: " << sum << endl;
```

**Example 4: Write C++ program, to find the minimum value in array of 8 numbers:**

```
#include<iostream.h>
```

```
void main ( )
```

```
{  
    int n = 8;          int a [ ] = { 18, 25, 36, 44, 12, 60, 75, 89 };  
    int min = a [ 0 ];  
    for ( int i = 0; i < n; i++ )  
        if ( a [ i ] < min )      min = a [ i ];  
    cout << "The minimum number in array is: " << min;
```

EX//: write a program in c++ to read (100) integer number and create tow array , one for odd number and second for even number ?

```
#include<iostream.h>

void main()
{
const int n=10;
int even[n],odd[n];
int i,x,e,o; e=o=0;
for(i=0;i<n;i++)
{ cin>>x;
    if(x%2==0)
        {even[e]=x; e++;}
        else {odd[o]=x; o++;}
    }
cout<<"even array \n";
for(i=0;i<e;i++)
cout<<even[i]<<" "; cout<<endl;
cout<<"odd array \n";
for(i=0;i<o;i++)
cout<<odd[i]<<" ";
}
```

**/Write a program to shift array a[10] one site to right side?**

```
#include<iostream.h>
void main()
{
int a[10]={1,2,3,4,5,6,7,8,9,10};
```

```

int i,t;
t=a[9];
for(i=8;i>=0;i--)
a[i+1]=a[i];
a[0]=t;
for(i=0;i<10;i++)
cout<<" "<<a[i];
}

```

**//W.P. to apply ascending order on array 1\_D, A[10]?**

```

#include<iostream.h>
main()
{ const int n = 10;
int A[n]= {26, 34, 22, 17,24, 32, 19, 13, 25, 20};
int i,j,t;
for ( i = 0; i < n-1; ++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)
    cout<<A[i]<<"\t";
cout<<"\n";
}

```

**/ write a program for read array 1-D a[10], then calculate the number of positive and negative elements?**

```

#include<iostream.h>
void main()
{
int a[10];
int pos=0,neg=0;
for (int i=0;i<10;i++)
cin>>a[i];
for (i=0;i<10;i++)
if (a[i]>=0)
pos++;
else

```

```
neg++;  
cout<<" Count of POS. number = "<<pos;  
cout<<" Count of NAG. number = "<<neg;  
}
```

Q//write a program to find the maximum and minimum value from an array a[10]?

```
#include<iostream.h>  
int main()  
{  
int a[10]; int i;  
int larg=0,small=0;  
cout<<"enter 10 integer number : " <<endl;  
for (i=0;i<10;i++)  
cin>>a[i];  
larg=a[0]; small=a[0];  
for (i=1;i<10;i++)  
{  
if (a[i]>larg)  
larg=a[i];  
if (a[i]<small)  
small=a[i];  
}  
cout<<"largest value = "<<larg<<endl;  
cout<<"smallest value = "<<small<<endl;  
}
```