ARRAYS: counting the number of odd values in odd position in array:

```
#include<iostream>
using namespace std;
int main(){
	int A[100];
	int i,n,c=0;

	cout<<"How many values do you want to enter: ";
	cin>>n;

	for(i=0;i<n;i++)
	{
		cout<<"Enter the "<<i+1<<" element: ";
		cin>>A[i];

	if((i%2==1)&&(A[i]%2==1))
			c++;
	}

	 cout<<"The number of odd values in odd position is:
"<<c;

	cin.get();cin.get();
	return 0;
}
```

ARRAYS: $\sqrt{A_i^2 + A_{i+1}^2 + A_{i+2}^2 + A_{i+3}^2}$

```
#include<iostream>
#include<cmath>
using namespace std;

int main ()
{
	int A[4];
	double s=0.0;

	for (int i=0;i<4;i++)
	{
		cout<<"Enter the "<<i+1<<" element:";
	    cin>>A[i];

	    s=s+(A[i]*A[i]);
	}
```

```
        cout<<sqrt(s)<<endl;

        cin.get(); cin.get();
        return 0;
}
```

ARRAYS: adding and printing the values in array:

```
#include<iostream>
using namespace std;

int main()
{
     int myArray[5];
     int i;

     for ( i=0; i<5; i++)  // 0-4
     {
          cout << "Value for myArray[" << i << "]: ";
          cin >> myArray[i];
     }

     for (i = 0; i<5; i++)
          cout << i << ": " << myArray[i] << "\n";


       cin.get(); cin.get();
       return 0;
}
```

ARRAYS: copying one array in another and printing their values

```
#include<iostream>
using namespace std;

int main()
{
    int B[100],C[100];

     //Set all 100 elements of array B to 0
     for (int j = 0; j < 100; j++)
          B[j] = 0;

     //Copy array B to array C
     for (int k = 0; k < 100; k++)
```

```
            C[k] = B[k];

      //printing array B
      for (int j = 0; j < 100; j++)
            cout<<B[j]<<" ";

      cout<<endl<<endl;
      //printing array C
      for (int k = 0; k < 100; k++)
            cout<<C[k]<<" ";

        cin.get(); cin.get();
        return 0;
}
```

ARRAYS: Entering an printing the number of book pages

```
#include<iostream>
using namespace std;

int main()
{
      const int counter = 5;
      int page[counter];

      cout << "Enter the number of pages of your books\n";
      cout << "Book 1: ";
      cin >> page[0];
      cout << "Book 4: ";
      cin >> page[3];

      cout << "\nSummary of books";
      cout << "\nBook 1: " << page[0] << " pages";
      cout << "\nBook 4: " << page[3] << " pages\n";

        cin.get(); cin.get();
        return 0;
}
```

ARRAYS: Example of finding the minimum member of an array

```
#include<iostream>
using namespace std;

int main()
{
      // The members of the array
      int numbers[] = {8, 25, 36, 44, 52, 60, 75, 89};
```

```
	int minimum = numbers[0];
	int a = 8;

	// Compare the members
	for (int i = 1; i < a; ++i) {
		if (numbers[i] < minimum)
			minimum = numbers[i];
	}

	// Announce the result
	cout << "The lowest member value of the array is "
		<< minimum << "." << endl;


	  cin.get(); cin.get();
	  return 0;
}
```

ARRAYS: Example of finding the maximum member of an array

```
#include<iostream>
using namespace std;

int main()
{
	// The members of the array
	int numbers[] = {8, 25, 36, 44, 52, 60, 75, 89};
	int maximum = numbers[0];
	int a = 8;

	// Compare the members
	for (int i = 1; i < a; ++i) {
		if (numbers[i] > maximum)
			maximum = numbers[i];
	}

	// Announce the result
	cout << "The highest member value of the array is "
		<< maximum << "." << endl;


	  cin.get(); cin.get();
	  return 0;
}
```