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Lab	01

Program :1

Array declare input and output

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    // Array declaration
```

```
    int arr[5]; // 5 integer elements ke liye array
```

```
    // Array inputS
```

```
    cout << "Enter 5 numbers: ";
```

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

```
        cin >> arr[i];
```

```
}
```

```
    // Array output
```

```
    cout << "You entered: ";
```

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

```
        cout << arr[i] << " ";
```

```
}
```

```
    return 0;
```

```
}
```

Program :2

Element ka sum

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

int main() {
    int arr[5]; // fixed size array
    int sum = 0;

    cout << "5 elements enter karo: ";
    for (int i = 0; i < 5; i++) {
        cin >> arr[i]; // user se input
        sum += arr[i]; // sum calculate
    }

    cout << "Array elements ka sum = " << sum;

    return 0;
}
```

Program :3

Runtime per array

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

int main() {
    int n;

    cout << "Array ka size enter karo: ";
    cin >> n; // user se size lena

    int arr[n]; // variable size array (sirf g++ me work karega)

    cout << "Array ke elements enter karo: ";
    for (int i = 0; i < n; i++) {
        cin >> arr[i]; // user se input lena
    }

    cout << "Array elements (runtime input): ";
    for (int i = 0; i < n; i++) {
        cout << arr[i] << " ";
    }

    return 0;
```

}

Loop ka sath

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

int main() {
    int arr[5] = {10, 20, 30, 40, 50};

    cout << "Array elements: ";
    for(int i = 0; i < 5; i++) {
        cout << arr[i] << " ";
    }

    return 0;
}
```