



GHANA COMMUNICATION
TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING
AND DISTANCE EDUCATION (ICDE)

COURSE CODE	CICS 112
COURSE TITLE	Programming with C++
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DATE	23 rd September, 2025

Write a C++ program to display marks of 5 students by passing one-dimensional array in a function.

```
#include <iostream>
```

```
using std::cin;  
using std::cout;  
using std::string;
```

```
string getLabel(int index)  
{
```

```
    switch (index)
```

```
    {
```

```
        case 0:
```

```
            return "First";
```

```
        case 1:
```

```
            return "Second";
```

```
        case 2:
```

```
            return "Third";
```

```
        case 3:
```

```
            return "Fourth";
```

```
        case 4:
```

```
            return "Firth";
```

```
        default:
```

```
            return "Last";
```

```
    }
```

```
};
```

```
void displayMarks(int marks[], int size)
```

```
{
```

```
    cout << "\n\nMarks of 5 students\n";
```

```
    cout << "=====\n";
```

```
    for (int i = 0; i < size; i++)
```

```
    {
```

```
        cout << getLabel(i) << " Student" << ": " << marks[i] << " marks\n";
```

```

    };
};

int main()
{
    const int TOTAL_STUDENTS = 5;
    int marks[TOTAL_STUDENTS];

    cout << "\n\n===== STUDENT DISPLAY PROGRAM =====\n\n";

    cout << "Enter marks of 5 students:\n";
    for (int i = 0; i < TOTAL_STUDENTS; i++)
    {
        cout << "Enter mark for " << getLabel(i) << " student" << ": ";
        cin >> marks[i];
    }

    displayMarks(marks, TOTAL_STUDENTS);

    return 0;
}

```

```
C++ main.cpp U X
main()
1  #include <iostream>
2
3  using std::cin;
4  using std::cout;
5  using std::string;
6
7  > string getLabel(int index) ...
31
32 > void displayMarks(int marks[], int size) ...
41
42 int main()
43 {
44     const int TOTAL_STUDENTS = 5;
45     int marks[TOTAL_STUDENTS];
46
47     cout << "\n\n===== STUDENT DISPLAY PROGRAM =====\n\n";
48
49     cout << "Enter marks of 5 students:\n";
50     for (int i = 0; i < TOTAL_STUDENTS; i++)
51     {
52         cout << "Enter mark for " << getLabel(i) << " student" << ": ";
53         cin >> marks[i];
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER

delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/display_marks (main)
$ ./main

===== STUDENT DISPLAY PROGRAM =====

Enter marks of 5 students:
Enter mark for First student: 80
Enter mark for Second student: 98
Enter mark for Third student: 76
Enter mark for Fourth student: 56
Enter mark for Firth student: 45

Marks of 5 students
=====
First Student: 80 marks
Second Student: 98 marks
Third Student: 76 marks
Fourth Student: 56 marks
Firth Student: 45 marks

delanyo@thedelanyo MINGW64 /d/dev/gctu_projects/second_sem/cpp/display_marks (main)
$
```