

## Seatwork 4.1

### Arrays

Course Code: CPE007	Program: Computer Engineering
Course Title: Programming Logic and Design	Date Performed: 9/9/2025
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### 6. Output

1.3 mendoza.cpp [\*] Sep9MENDOZA.cpp

```
1 #include <iostream>
2 using namespace std;
3 int main () {
4
5     //array declaration
6     int grades [10] = {95, 90, 99, 100, 78, 79, 75, 88, 99, 94};
7
8     //print 5th element of the array
9     cout<<grades[4]<<endl;
10
11    //changing the value of the first element
12    grades[0] = 100;
13    cout<<"The Grade of the Student[0] is :"<<grades[0]<<endl;
14
15    //printing whole array and swapping elements on array
16    int temp = grades[0];
17    grades[0] = grades[9];
18    grades[9]= temp;
19    for(int i = 0; i <10; i++)
20    {
21        cout<<grades[i]<< " ";
22    }
23    cout<<endl;
24
25    //swapping variables
26    int a = 1;
27    int b = 2;
28
29    temp = a;
30    a = b;
31    b = temp;
32    cout<<a<<endl;
33    cout<<b<<endl;
34    return 0;
35 }
```

Compile Log Debug Find Results Close

Compilation results...

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- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\TIPQC\Documents\novio 2025\Sep9MENDOZA.exe  
- Output Size: 1.76752948760986 MiB  
- Compilation Time: 0.38s

Screenshot of the Code

### Code Output:

```
C:\Users\TIPQC\Documents\n + ▾  
78  
The Grade of the Student[0] is :100  
94 90 99 100 78 79 75 88 99 100  
2  
1  
  
-----  
Process exited after 0.0109 seconds with return value 0  
Press any key to continue . . . |
```

### 7. Conclusion

Today, I learned the implementation of arrays, swapping of variables. With these I can easily implement an element where it wouldn't require me to type multiple codes just to print it. Therefore, I could say that I was able to understand the lesson today and was able to recite and give an ideas during the discussions of today's lesson.