

## Seatwork 4.1

### Arrays

Course Code: CPE007

Program: Computer Engineering

Course Title: Programming Logic and Design

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### 6. Output

Screenshot of the Code

```
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 }
```

es 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
```

### Code Output:

```
C:\Users\TIPQC\Documents\n X + v
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.