

Hands-on Activity 1.3

Writing First Program using C++ Language

Course Code: CPE007	Program: Computer Engineering
Course Title: Programming Logic and Design	Date Performed:
Section: CPE11S1	Date Submitted:
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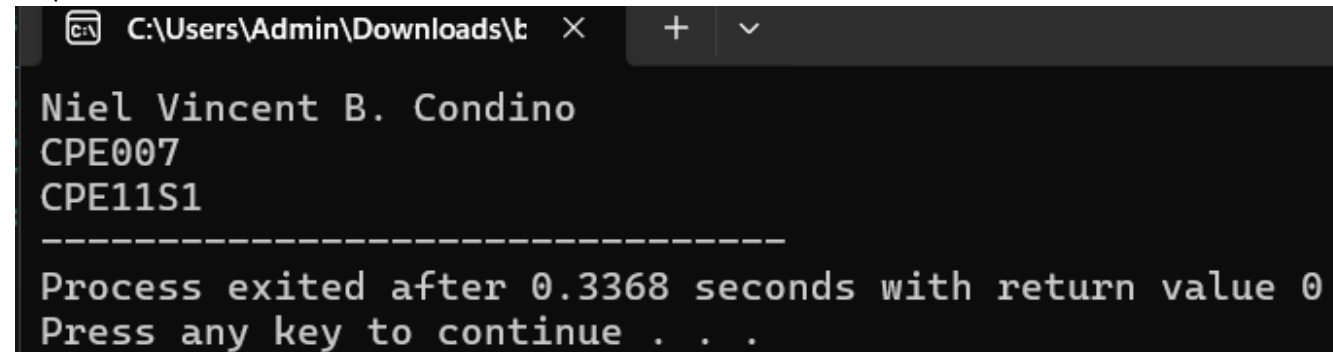
6. Output

Exercise 4.1

Code:

```
#include <iostream>
int main() {
    std::cout << "Niel Vincent B. Condino" << std::endl;
    std::cout << "CPE007" << std::endl;
    std::cout << "CPE11S1";
    return 0;
}
```

Output:



```
Niel Vincent B. Condino
CPE007
CPE11S1
-----
Process exited after 0.3368 seconds with return value 0
Press any key to continue . . .
```

Exercise 4.2

Code:

```
#include <iostream>
int main() {
    std::cout << "Niel Vincent B. Condino" << std::endl;
    std::cout << "Niel Vincent B. Condino" << std::endl;
    std::cout << "Niel Vincent B. Condino";
    return 0;
}
```

Output:

```
Niel Vincent B. Condino
Niel Vincent B. Condino
Niel Vincent B. Condino
-----
Process exited after 0.3296 seconds with return value 0
Press any key to continue . . . |
```

7. Supplementary Activity

1.

Errors of the code:

- not using namespace std or using std::cout
- using parentheses for cout instead <<
- int after 5 should be removed

Fixed code:

```
#include <iostream>

int main()
{
    std::cout << "The value of five is: " << 5;
    return 0;
}
```

Output:

```
The value of five is: 5
-----
Process exited after 0.4767 seconds with return value 0
Press any key to continue . . . |
```

2.

Errors of the code:

- not using #include <iostream>
- not using namespace std or using std::cout
- 16,0-10- should be changed to 16-10 or just 6

Fixed code:

```
#include <iostream>

int main()
{
    std::cout << "The value of six is: " << 16 - 10;
    return 0;
}
```

Output:

```
The value of six is: 6
-----
Process exited after 0.2958 seconds with return value 0
Press any key to continue . . . |
```

3.

Errors of the code:

- *otherVariable*) should be changed to *simpleVariable*

Fixed code:

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

int main()
{
    int simpleVariable = 10;
    cout << "The value of the ten is: "<< simpleVariable;
    return 0;
}
```

Output:

```
The value of the ten is :10
-----
Process exited after 0.3698 seconds with return value 0
Press any key to continue . . . |
```

4.

Errors of the code

- the variables starting with numbers like *60seconds* should be renamed
- the second variable's value should be 60
- add "seconds" at the end of *cout*

Fixed code:

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

int main()
{
    int _60seconds = 60;
    int _60minutes = 60;
    cout << "One hour is " << _60seconds * _60minutes << " seconds";
    return 0;
}
```

Output:

```
One hour is 3600 seconds
```

```
-----  
Process exited after 0.4009 seconds with return value 0  
Press any key to continue . . .
```

5.

Errors in the code:

- remove spaces in variable names
- variables have wrong value
- on the cout line, it should be separated by << not commas
- add a *period(.)* string after every variable in the cout line

Fixed code:

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int ipPart1 = 127;
7      int ipPart2 = 0;
8      int ipPart3 = 0;
9      int ipPart4 = 1;
10     cout << "Localhost IP is " << ipPart1 << "." << ipPart2 << "." << ipPart3 << "." << ipPart4;
11     return 0;
12 }
13
```

Output

```
Localhost IP is 127.0.0.1
```

```
-----  
Process exited after 0.3321 seconds with return value 0  
Press any key to continue . . .
```

8. Conclusion

This activity made me develop more simple c++ programs. This is not the first one I created because I have been able to do it in my past activities. I am able to create simple instructions of code using c++ on this activity. I am also able to run these programs after compiling them. The activity also help me learn more about c++ syntax and debugging errors

9. Assessment Rubric