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## Lab Session 6

**Roll no: SE-21031** 

## Lab 6.1

(3 points) Exercise 1: Retrieve and modify proverb.cpp so it prints the proverb listed in the comments at the beginning of the program. Attach the completed proverb.cpp program.

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

void writeProverb();

int main() {

writeProverb();
system([Command: "pause>0");
return 0;
}

evoid writeProverb() {

cout << "Now is the time for all good men to come to the aid of their party";
}</pre>
```

```
E\Study Materials\C++\sasageyo\x64\Debug\sasageyo.exe
Now is the time for all good men to come to the aid of their party
```

## Lab 6.2

(3 points) Exercise 1: Retrieve and complete newproverb.cpp so it changes the ending of the proverb according to the number a user selects. Attach the completed newproverb.cpp program.

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

void writeProverb(int);

int main() {

int wordCode;
cout << "Given the phrase " << endl;
cout << "Now is the time for all good men to come to the aid of their ___" << endl;
cout << "Input a 1 if you want the sentence to finished to the party" << endl;
cout << "Input any other number for the word country" << endl;
cout << "Please input your choice now " << endl;
cin >> wordCode;
cout << endl;
writeProverb(wordCode);
system(_command="pause>0");
return 0;
}

Evoid writeProverb(int wordCode) {

cout << "Now is the time for all good men to come to the aid of their party";
}

cout << "Now is the time for all good men to come to the aid of their party";
}
</pre>
```

```
E\Study Materials\C++\sasageyo\x64\Debug\sasageyo.exe

Given the phrase

Now is the time for all good men to come to the aid of their ___

Input a 1 if you want the sentence to finished to the party

Input any other number for the word country

Please input your choice now

1

Now is the time for all good men to come to the aid of their party
```

(3 points) Exercise 2: Modify newproverb.cpp so that when a user inputs a 1, the program will print "party" at the end, and given an input of 2, the program prints "country". Users must be repeatedly prompted to enter a 1 or a 2 if the user enters invalid input. Attach the modified newproverb.cpp program.

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

void writeProverb(int);

int main() {
    int wordCode;
    cout << "Given the phrase " << endl;
    cout << "Now is the time for all good men to come to the aid of their ___" << endl;
    cout << "Input a 1 if you want the sentence to finished to the party" << endl;
    cout << "Input any other number for the word country" << endl;
    cout << "Please input your choice now " << endl;
    cin >> wordCode;
    cout << endl;
    writeProverb(wordCode);
    system(@Comand:"pause>0");
    return 0;
}

svoid writeProverb(int wordCode) {
    if (wordCode == 1)
        cout << "Now is the time for all good men to come to aid of their party";
    if (wordCode == 2)
        cout << "Now is the time for all good men to come to aid of their country";
    else
        cout << "I'am sorry but that is an incorrect choice; PLease input 1 or 2";
}</pre>
```

```
ElStudy Materials (C++) sasage yo lx6A Debugh sasage yo exe

Given the phrase

Now is the time for all good men to come to the aid of their ___

Input a 1 if you want the sentence to finished to the party

Input any other number for the word country

Please input your choice now

2

Now is the time for all good men to come to aid of their country
```

## Lab 6.3

(3 points) Exercise 1 & 2: Retrieve and complete paycheck.cpp. Notice that computePaycheck() determines net pay by subtracting 15% from the gross pay. Make sure you get the output shown in the lab manual. Attach the completed paycheck.cpp.

```
#include <iostream>
#inclu
```

```
E\E\Study Materials\C++\saageyo\x64\Debug\saageyo.exe

\[
\text{Melcome to the payroll program} \]

This program takes two numbers (payrate and hours)

and multiplies them to get gross pay

It then calculates net pay for subtracting 15%

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Please input the number of hours worked

30

The gross pay is 201.00

The net pay is 170.85

We hope you enjoyed this program
```

