Class Activity 2- Chapter 2 & Programming Assignment 2

Name: Abdulrahman Zaiter

1) Text book(Exam Preparation Exercise)/Chapter2 & Question1:
a.
b.
c.
d.
e.
f.
g.
h.

2) Text book(Exam Preparation Exercise)/Chapter2 & Question2:
a.
b.
c.
d.
e.
f.
g.
h.
i.
j.

3) True or false?
1) Every C++ program must have a function named main.
   TRUE
2) A C++ identifier cannot start with a digit.
   TRUE
3) Some C++ reserved words can be used as programmer defined identifiers.
   FALSE
4) This is an example of an assignment statement: **const char sex = 'F';**
   TRUE

4) Short answer
1) What is an assignment statement?

Assignment statement is the statement which assigns a value to an identifier. And uses assignment operator "=".

2) What is a block?

Sequence of zero or more statements enclosed by a pair of curly braces.

5) What is the output of the following program?

```cpp
#include <iostream>
#include <iomanip>

using namespace std;

int main()
{
    int n1, n2, temp;

    n1 = 10;
    n2 = 20;

    cout << "* output *" << endl;
    cout << n1 << "  " << n2 << endl;

    temp = n1;
    n1 = n2;
    n2 = temp;
    cout << n1 << "  " << n2 << endl;
    cout << "end" << endl;

    return 0;
}
```

Output:

* output *
10 20
20 10
end

5) Use the Unix compiler output below to identify the 2 errors.
   syn2.cxx: In function âint main()â:
   syn2.cxx:9: error: expected initializer before ân2â
   syn2.cxx:18: error: ân1â was not declared in this scope
   syn2.cxx:19: error: ân2â was not declared in this scope

```cpp
#include <iostream>
#include <fstream>
#include <iomanip>

using namespace std;

int main()
{
  int n1 n2;
  char ch1, ch2;

  ifstream inFile;
  ofstream outFile;

  inFile.open("in");
  outFile.open("out");

  inFile >> n1 >> ch1;
  inFile <<  n2 << ch2;
  outFile << setw(4) << n1 << setw(5) << ch1 << left << setw(5) << n2
      << setw(6) << ch2 << endl;

  return 0;
}
```

The 2 Errors are:
1- , "comma" between n1 and n2
2- inFile >> n2 >> ch2;