Class Activity 1-Chapter1& Programming Assignment 1

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1) Text book(Exam Preparation Exercises)/Chapter1 & Question6:
a.
b.
c.
d.
e.
f.

2) Text book(Exam Preparation Exercises)/Chapter1 & Question8:

3) True or false?
1) There is only one unique general solution (algorithm) for a given problem.
   FALSE
2) There is only one unique way to translate a given algorithm into a C++ program.
   FALSE
3) A computer game is an example of interactive, not batch processing.
   TRUE

4) Multiple choices
1) Which one of the following is not one of the three major phases in the life cycle of a computer program?
   a. the problem-solving phase
   b. the management phase
   c. the implementation phase
   d. the maintenance phase

2) Which of the following is the first step in the problem-solving phase of a computer program's life cycle?
   a. Translate the general solution into code.
   b. Write the general solution for the problem.
   c. Test the general solution.

        d. **Analyze the problem**.

        e. Test the solution on a computer.

5) Use the Unix compiler output below to identify the 5 errors.

syn1.cxx:14:11: warning: missing terminating " character
syn1.cxx:14: error: missing terminating " character
syn1.cxx:2: error: expected nested-name-specifier before ânamespacâ
syn1.cxx:2: error: ânamespacâ has not been declared
syn1.cxx:2: error: expected `;' before âstdâ
syn1.cxx:2: error: expected constructor, destructor, or type conversion before â;â token
syn1.cxx: In function âint main()â:
syn1.cxx:13: error: âcoutâ was not declared in this scope
syn1.cxx:13: error: âendlâ was not declared in this scope

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

int main()
{
  int n = 5;
  int m = 10;
  int k = 10;
  int p;

  p = n/m + k ;

  cout << "p = " << p >> endl;
  cout << "p =  << ++p << endl;
  cout << "p = " << p++ << endl;

  return 0;
}
```

Answer: Errors are:
1-namespace
2-<< in cout
3-p in cout
4-" in cout
5-the ++ position