Question # 1:

```
#include <iostream> // # was missing (syntax error)
using namespace std;
int main()
 {
    cout << "Enter your 3 test scores and I will ";
    cout<< "average them:"; // cout was missing (syntax error)
    int score1, score2, score3 ; // Remove Comma and Add semicolon (Syntax error)
    cin >> score1 >> score2 >> score3;
    double average;
    bool perfectScore; // It is supposed to be declared first (compile error)
    average = (score1 + score2 + score3) / 3.0;
cout << "Your average is " << average << endl; // Moved from if to here to show average
(logical error)
    if (average == 100) { // Remove semi colon and add {} to run code if condition is true
and average == 100 (Logical error)
    perfectScore = true; // Set the flag variable
    }

 if (perfectScore == true) // Set Condition Properly (Logical error)
    {
    cout << "Congratulations!\n";
    cout << "That's a perfect score.\n";
    cout << "You deserve a pat on the back!\n";
    } // Closing Curly bracket } was missing for if syntax was missing (Syntax error)
    return 0;
 }
```

Question # 2:

```
#include <iostream>
using namespace std;
int main()
 {
    double num1, num2, quotient;
    cout << "Enter a number: ";
    cin >> num1;
    cout << "Enter another number: ";
    cin >> num2;
```

```
   if (num2 == 0) { // Apply {} to complete if syntax (syntax error)
   cout << "Division by zero is not possible.\n";
   cout << "Please run the program again ";
   cout << "and enter a number besides zero.\n"; }
   else { // apply {} (syntax error)
   quotient = num1 / num2;
   cout << "The quotient of " << num1 ; // remove << and add ; (logical error)
   cout << " divided by " << num2 << " is ";
   cout << quotient << endl; }

   return 0;
}
```

Question # 3:

```
#include <iostream>
using namespace std;
int main()
{
  int testScore; // double function does not work with switch
  cout << "Enter your test score and I will tell you\n";
  cout << "the letter grade you earned: ";
  cin >> testScore;

// in this case switch cannot work we will have to use if else as switch case can only have
1 outcome!

    if (testScore < 60.0) {
    cout << "Your grade is F.\n";
    }
    if (testScore < 70.0){
    cout << "Your grade is D.\n";
    }
    if (testScore < 80.0){
    cout << "Your grade is C.\n";
    }
    if (testScore < 90.0){
    cout << "Your grade is B.\n";
    }
    if (testScore <= 100.0){
    cout << "Your grade is A.\n"}
   else
```

```
        cout << "That score isn't valid\n";
    }

    return 0;
}
```