

## Quiz # 1

1. What is printed by the following program? Show the output screen.

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

int main()
{
    int counter = 0;
    int number;

    char eyes = ':';

    cout<<"counter is currently: " << counter << endl;

    counter++;

    cout << eyes << ')' << '\t' << eyes << '(' << endl;

    cout << '\n' << 45 % 6 + 9 / 8 << endl;

    cout<<"counter is currently: " << counter << endl;

    number = counter + 15;

    cout << number;

    return 0;
}
```

```
counter is currently: 0
:)          :(

4
counter is currently: 1
16
```

2. Complete the following program.

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

int main()

{

//baby weighing program
//declaration of variables

double pounds, ounces;
double grams;

//prompt the user to input the pounds and ounces that the
// baby weighs. For example if the baby weighs 7 lbs and 2
//oz, the user will input a 7 and a 2

cout << "Enter lbs and ounces";
cin >> pounds >> ounces;

//print out the pounds and ounces in clear format

cout << "Baby\'s weight is: "<<pounds << " pounds and "
    << ounces << "ounces\n";
//figure out the weight of the baby in grams
//the formula is:

grams = ounces * 28.35 + pounds * 16 * 28.35;

//print out the weight of the baby in grams

cout << "And in grams the weight is: " << grams << endl;
cout << "Congratulations and all the best!";

return 0;
}
```

3. Write a C++ statement that declares and initializes a double variable value to 45.67, and a char variable ch to '\*' .

```
double value = 45.67;
char ch = '*' ;
```

4. Find at least four errors in the following program. MAKE SURE THAT YOU CIRCLE THE ERROR AND EXPLAIN AND CORRECT IT!

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

int main()
{
    int books, 2pages;    illegal variable name begins with
                          number
    int n;

    cin >> 2pages >> books; //input values

    n + 3 = books;      //assigning a value to books
    right hand side and left hand side must switch

    n = 0;              // initializing n
    n should be initialized before the statement above; before
    it is used

    cout << n << number << 'abcd' << \n;

    number is undeclared
    abcd is not one character so it needs double quotes
    \n needs quotes

    return 0;
}
```