

SAMPLE QUIZ (answers on second page)

1. What is printed by the following code?

```
#include<iostream>
#include<string>
using namespace std;
int testval(int);
void getMessage(string , int);
int main()
{
    int code = 10;
    string message = "Empty";
    cout << code << ' ' << message << endl;
    code = testval(code);
    cout << code << ' ' << message << endl;
    getMessage(message, code);
    cout << endl << code << ' ' << message << endl;
    system("PAUSE");
    return 0;
}
int testval(int x)
{
    if (x > 0 && x < 10)
        return 25;
    else
        return 50;
}
void getMessage(string word, int x)
{
    cout << "Computing message.....\n";
    if (x % 2 == 0)
        cout << "Yes, enter!";
    else
        cout << "Come back again!";
}
```

2.

- a. Write a function definition for the function `isPunctuation` that accepts two parameters – a character and an integer. If the integer equal to 0 AND the character is either '.' or ';' or ',' or '?' or '!' the function returns `true`. Otherwise the function returns `false`.
- b. Give a sample call from the main program.
- c. Give the prototype of the function.

Answers on next page

1.

10 Empty

50 Empty

Computing message.....

Yes, enter!

50 Empty

```
#include<iostream>
#include<string>
using namespace std;
bool isPunctuation(char, int);
int main()
{
    //sample call
    cout << isPunctuation('a', 0);
    //another sample call
    if (isPunctuation('.', 6)) // can leave out the == true since
                                //the function will return true or false
        cout << "Yes!";
    else
        cout << "No!";
    system("PAUSE");
    return 0;
}
bool isPunctuation(char c, int x)
{
    if (x == 0 && (c == '.' || c == ',' || c == '!' || c == '?'))
        return true;
    return false; //don't need an else
                  //because if the condition is true,
                  //it will return to caller and never get to this statements
}
```