

Sample Program 9.1

About Boolean Values And Variables

Problem statement. Write a single declaration statement that creates an uninitialized `bool` variable named `result`.

Solution.

```
bool result;
```

Problem statement. Write a single declaration statement that creates a `bool` variable named `found` and initializes it to `false`.

Solution.

```
bool result = false;
```

Problem statement. Write a value-returning function named `itsTrue`, with no parameters, that returns the `bool` value `true`.

Solution.

```
bool itsTrue()
{
    bool result = true;
    return result;
}
```

Problem statement. Write a code block to test a `bool` variable named `b`, and output “It’s true!” to the console screen if `b`’s value is `true`.

Solution.

```
if (b) cout << "It's true!" << endl;
```

Problem statement. Write a code block to test a `bool` variable named `b`, and output “It’s false!” to the console screen if `b`’s value is `false`.

Solution.

```
if (!b) cout << "It's false!" << endl;
```