

Sample Program 9.1

About Boolean Values And Variables

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

Solution.

```
bool result;
```

Problem statement. Write a single declaration statement that creates a variable named `found` and initializes it to the Boolean `False`.

Solution.

```
result = False
```

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

Solution.

```
def itsTrue():  
    result = True  
    return result
```

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

Solution.

```
if b: print("It's true!")
```

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

Solution.

```
if not b: print("It's false!")
```