## Exercise 1.1 – Create a More Complex Function

## **Learning Outcomes**

Upon completion of this exercise, you will be able to:

- Create simple functions that are able to perform a task
- Distinguish between Public and Private functions and the effect of the keyword Private.
  - 1. Create a function to deliver a warning message.
    - i. In the **Training.ci** file, create the following function:

```
FUNCTION
Warning()
STRING OperatorName = FullName();
Message("Big Warning !!","Look Out, " +
OperatorName, 48);
END
```

ii. Save the file and compile the project.

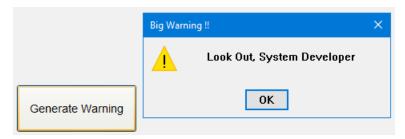
**Note:** This function will prompt the logged in operator with a personalised warning message.

## 2. Run the function.

i. Create a temporary button on the **TestCicode\_HD1080** page as follows:

Appearance(General) Text	Generate Warning
Input (Touch) Up Command	Warning()

- ii. Compile and run the project.
- iii. Test the function Warning().



## Exercise - Create a More Complex Function (cont.)

- 3. Make the function private.
  - i. Return to the **Training.ci** file in the Cicode editor.
  - ii. Insert the keyword PRIVATE on the line preceding the function.

```
PRIVATE

FUNCTION

Warning()

STRING OperatorName = FullName();

Message("Big Warning !!","Look Out, " +
OperatorName, 48);

END
```

- iii. Save the Training.ci file.
- iv. Compile the project. The Compile Error message as shown below appears.



- v. A Private function is visible only to other functions within the same Cicode file and thus cannot be called from elsewhere in the Project, as this message demonstrates.
- vi. Remove the word PRIVATE from the function and save the Training.ci file.



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