This document is a template for your assessed exercises. It include headings under which you add the pseudocode, data dictionary, Python source code and test plan. Note that for some exercise you will be given code which you find and remove bugs. Include the fixed Python source code in the Python source code section.

**Pseudocode**

Add you pseudocode here

Year = INPUT “Please enter year”

If year/4 and not /100 or /400

Print “this is a leap year”

Else if

Print “this is not a leap year”

**Data dictionary – (complete with the data for the pseudocode)**

|  |  |  |
| --- | --- | --- |
| Name of data | Purpose | Type of data |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Python source code**

**Year = Int(input( please enter the year")**

**If year /4 and not /100 or /400 print "this is a leap year'**

**Else print(' this is not a leap year")**

**Test plan**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project name:** | **Leap Year** |  |  |  |  |
| **Test scenario:** | **Running source code** |  |  |  |  |
| **Test performed by:** | **Mantej** |  |  |  |  |
| **Date:** | **18/11/22** |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Description** | **Test Method** | **Pre-conditions** | **Expected Result** | **Passed?** | **Comments** |
| **1** | **Checking to see if source code works** | **Running source code** | **n/a** | **Runs** | **No** |  |
| **2** | **Checking source code** | **Run entire source code** | **n/a** | **Runs with no bugs** | **No** | **Possible syntax error on second line** |
| **3** | **Checking source code** | **Run entire source code** | **n/a** | **Runs with no bugs** | **Yes** |  |

Add more rows as necessary

Once you have completed the test table, then carry out the tests and document them by filling in the “Actual result” columns with either “As expected” if the test produced the expected result. If the test did not produce the expected result, then explain the difference and find the source of the problem and correct it. Document your tests by including screen captures of the output as evidence.

**Additional notes/write-up**

Use this section to add any extra notes/write-up required for the exercise. For example, you may have to explain why the program performed operations in an unusual way and how you fixed the problem.