CSE/ISE 337 – Scripting Languages
Spring, 2023
Assignment 03 – UNIX/Bash Shell Scripting

Test Cases

General Instructions:
-Run the command for each test case from the test_case directory and then examine the results according to the criteria given for problem.

Problem 1 (15 points): `p1.sh`
-Test Case 01: `bash ./p1.sh .c p1_01 test1_01`

-Test Case 02: `bash ./p1.sh .py p1_02 test1_02`

-Test Case 03: `bash ./p1.sh .dat p1_03 test1_03`
   -Should display: "p1_03 not found"

-Test Cas3 04: `bash ./p1.sh`
   -Should display: "USAGE: p1.sh <extension> <src_dir> <dst_dir>"

-Test Case 05: `bash ./p1.sh .txt p1_05 test1_05 int1_05`
   -Should display: "USAGE: p1.sh <extension> <src_dir> <dst_dir>"

Problem 02 (15 points): `p2.sh`

Test Case 01: `bash ./p2.sh p2_01.txt test2_01.txt`
   -Expected Output File:
```
Col 1 : 1
Col 2 : 2
Col 3 : 3
Col 4 : 4
Col 5 : 5
```

Test Case 02: `bash ./p2.sh p2_02.txt test2_02.txt`
   -Expected Output File:
```
Col 1 : 3
Col 2 : 6
Col 3 : 9
Col 4 : 12
Col 5 : 15
```

Test Case 03: `bash ./p2.sh p2_03.txt test2_03.txt`
   -Expected Output File:
```
Col 1 : 9
Col 2 : 18
Col 3 : 27
```
Test Case 04: `bash ./p2.sh p2_04.txt test2_04.txt`
   -Should display: "p4_04.txt not found"

Test Case 05: `bash ./p2.sh`
   -Should display: "data file or output file not found"

Problem 03 (15 points): `p3.sh`

   Test Case 01: `bash ./p3.sh p3_01`
   -Expected Output:
   ```
   101:A
   ```

   Test Case 02: `bash ./p3.sh p3_02`
   -Expected Output:
   ```
   101:A
   102:F
   ```

   Test Case 03: `bash ./p3.sh p3_03`
   -Expected Output:
   ```
   101:A
   102:F
   103:C
   ```

   Test Case 04: `bash ./p3.sh p3_04`
   -Should display: "p3_04 is not a directory"

   Test Case 05: `bash ./p3.sh`
   -Should display: "score directory missing"

Problem 04 (15 points): `p4.sh`

    Test Case 01: `bash ./p4.sh p4_01.txt p4_dict.txt`
      -Expected Output: (should be empty; no misspelled 5 letter words)

    Test Case 02: `bash ./p4.sh p4_02.txt p4_dict.txt`
      -Expected Output:
```
laern
thrid
```

    Test Case 03: `bash ./p4.sh p4_03.txt p4_dict.txt`
      -Expected Output:
```
laern
thrid
araes
There
```

    Test Case 04: `bash ./p4.sh p4_04.txt p4_dict.txt`
      -Should display: "p5_04.txt is not a file"

    Test Case 05: `bash ./p4.sh`
      -Should display: "input file and dictionary missing"

Problem 5 (10 points): p5.sh

 Test Case 01: bash ./p5.sh p5_01

 -The only things that matter are the output:

  a. does the script behave correctly

  b. does the script use shell commands to produce the expected output.

 -Check the contents of the test directory, p5_01, it should be pretty obvious what the output of the script should be.