READ THE CODE FIRST – GET AN IDEA WHAT IS EXPECTED

Create a python file
Filename (your initials)_Lab10.py   2 mark
          e.g. hbh_lab10.py

Within this file, create code to
1. write to a text file filename = (your initials)_Lab10_output.txt   2 mark
2. log information filename = (your initials)_Lab10_output.log   1 mark
3. create variables using strftime()
        a. current date with time   1 mark
        b. current date – no time   1 mark

4. initialize the logging
        a. add relevant headers to all files where required   2 mark
        b. add timestamp as created in step 3   1 mark
        c. retrieve PC data and write to the text file   10 marks
            1) `platform.machine()`
            2) `platform.version()`
            3) `platform.platform()`
            4) `platform.system()`
            5) `platform.processor()`

5. using try and except create similar code to produce output (as below text file) 5 marks

```
021-03-15  22:57
lachine Data
-------------------------
lachine          AMD64
ersion           10.0.18362
latform          Windows-10-10.0.18362-SP0
ystem            Windows
rocessor         Intel64 Family 6 Model 142 Stepping 10, GenuineIntel
-------------------------
021-03-15  22:57
ONE No Errors Found
```

6. write data to the log file (as below .log file)   5 marks

```
INFO:root:PC LOG Info
========================================
INFO:root:

INFO:root:2021-03-15   22:57
INFO:root:
-------------------------
INFO:root:Logging completed No Errors Found
```

- 7. once code is completed, display completed (as below) 5 marks

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HELP CODE

```
# import MODULES
import datetime
import logging
import platform
strftime("%Y-%m-%d %H:%M")
strftime("%Y%M%d")
logging.basicConfig(filename=filename, level=logging.INFO, filemode = '???')
file1 = open(filename, "????")
file1.writelines( )
log file – show error logging.error("PC Info Data Error")
show info logging.info("Logging completed " + strError)
```
you may also use any notes, .py files or the web

SUBMIT

- **your .py file to Submissions drop box**
- **The code will be run to check out process completion**
  - **code must run on any system – watch folders**
  - make sure code runs and creates the log and txt file
  - if code has SYNTAX errors mark will be 0
  - **.txt file not created -15 marks**
  - **.log file not created -10 marks**