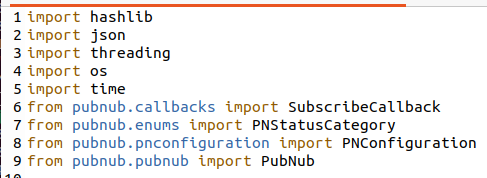
Assignment 3

UOW ID: 7770029

Implementation of blockchain system simulating proof-of-work

To run the program: Open two command program, run Alice\_A3.py on one side and Bob\_A3.py on the other program

Implementing threading to stop the process in the middle of computation.

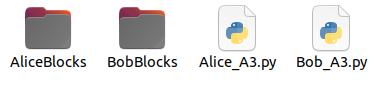


Using the publish key and subscribe key for the pubnub

A screenshot of a computer

Description automatically generated

The codes will generate the folder for Alice and Bob to store the mined block inside.



Example of the block mined by Alice midway through

A screenshot of a computer

Description automatically generated

Example of the block mined by Bob midway through

A screenshot of a computer

Description automatically generated

Example of the block mined by Alice, when first mined it would be added to the folder and then it would verify the block. If the block is invalid (not verified), the block would then be removed from the folder.

A computer screen shot of numbers and letters

Description automatically generated

A computer screen shot of numbers and letters

Description automatically generated

Example of the block mined for Bob, and some logic as Alice in verification of block.

A screenshot of a computer code

Description automatically generated