Blockchain and Cryptocurrencies Assignment

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Task 1. Mining Puzzles

1. userID: mmgw12

3. The nonce value of valid block: 6162644

4. Number of double hashes performed: 6162644

5. **Time taken:** 110079 ms

• difficulty at 1

 $current_target = target_1$

for this case there are 8*4+2 leading zeros so it can be approximated that 2^{34} hashes will be required.

• difficulty at 7,454,968,648,263

for this case there are 18*4+2 leading zeros so it can be approximated that 2^{74} hashes will be required.