**Bitcoin Key Finder**

This program is a tool for finding private keys of Bitcoin wallets using brute-force methodology. It searches for private keys within a user-defined range and checks if any of them correspond to a Bitcoin address listed in a TXT file.

**Requirements**

To run this program, you will need:

* Python 3.7 or higher
* **bit** and **multiprocessing** libraries

**You can install the necessary libraries using pip**:

pip install bit multiprocessing

**Usage**

1. Download the code and save it to your computer.
2. Save the list of Bitcoin addresses you want to search in a TXT file. One address per line.
3. Open a terminal or command prompt and navigate to the directory where the code is saved.
4. Run the program by entering the following command:

python bitcoin\_key\_finder.py

1. The program will prompt you to enter the range of private keys you want to search. Enter the minimum and maximum values in decimal 1==🡺115792089237316195423570985008687907852837564279074904382605163141518161494335.
2. The program will display an estimated time for completion and start searching for private keys. If a private key corresponding to one of the Bitcoin addresses is found, it will be saved to a file named **CompressedWinner.txt** or **UncompressedWinner.txt**, depending on the address type.
3. When the program finishes, it will log the total time taken for the search.

Note: The program is optimized for multi-core CPUs, and it will use all available cores by default. You can modify the number of cores used by changing the **cores** variable value in the code.