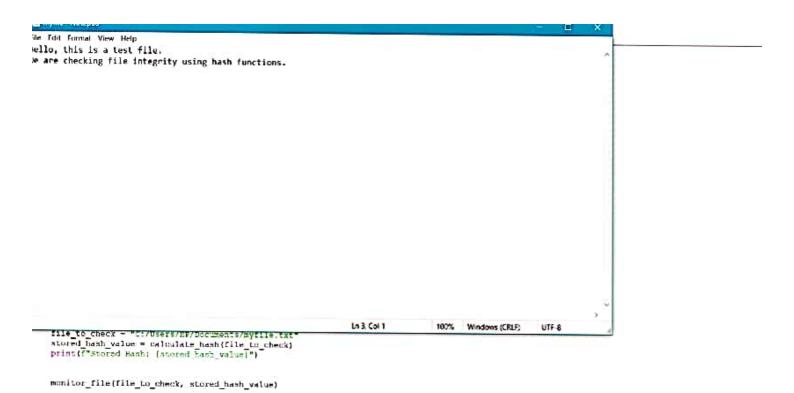
```
File Edit Format Run Options Window Help
import hashlib
import os
import time
def calculate_hash(file_path):
    hash_sha256 = hashlib.sha256()
    with open(file_path, 'rb') as file;
         while chunk := file.read(8192):
    hash_sha256.update(chunk)
    return hash_sha256.hexdigest()
def check_file_integrity(file_path, stored_hash):
    current_hash = calculate_hash(file_path)
    if current_hash == stored_hash:
         print(f"File integrity verified. Hash matches for: (file path)")
        print(f"WARNING: File integrity compromised for: {file_path}")
print(f"Current Hash: {current_hash}")
def monitor_file(file_path, stored_hash):
    while True:
         check_file_integrity(file_path, stored_hash)
         time.sleep(10)
if __name__ == "__main__":
    file_to_check = "C:/Users/HP/Documents/myfile.txt"
    stored_hash_value = calculate_hash(file_to_check)
    print(f"Stored Hash: (stored_hash_value)")
    monitor_file(file_to_check, stored_hash_value)
```



7 Type here to search

```
File Edit Shell Debug Options Window Help
    Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
   Type "help", "copyright", "credits" or "license()" for more information.
    = RESTART: C:/Users/HP/Documents/hash.py
    Stored Hash: 70ed3bf0b1c4205fbf4bfcfeb30dd3fa11a4b1e32828291b3a35b5fdaa4db737
   File integrity verified. Hash matches for: C:/Users/HP/Documents/myfile.txt
    File integrity verified. Hash matches for: C:/Users/HP/Documents/myfile.txt
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    File integrity verified. Hash matches for: C:/Users/HP/Documents/myfile.txt
```