



PRACTICAL 10

AIM: Implement digital signature.

Code:

```
def simple_hash(message):  
    hash_value = 0  
    for char in message:  
        hash_value += ord(char)  
    return hash_value  
  
if __name__ == "__main__":  
    message = input("Enter the message: ").strip()  
    signature = simple_hash(message)  
    print("Message:", message)  
    print("Signature:", signature)  
    received_message = input("Enter the received message: ").strip()  
    received_signature = int(input("Enter the received signature: "))  
    if signature == received_signature and message == received_message:  
        print("Signature and message verified successfully.")  
    else:  
        print("Signature or message verification failed.")
```

output:

```
PS C:\Users\shivam\OneDrive\Desktop\BlockChain-Based-Documents-  
ers\shivam\OneDrive\Desktop\BlockChain-Based-Documents-Verficat  
Enter the message: shivam  
Message: shivam  
Signature: 648  
Enter the received message: shivam  
Enter the received signature: 648  
Signature and message verified successfully.
```