**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:

