Parctice 01:

Implementation of Hasing with chaining using python

Code:

def display\_hash(hashTable):

for i in range(len(hashTable)):

print(i, end = " ")

for j in hashTable[i]:

print("-->", end = " ")

print(j, end = " ")

print()

# Creating Hashtable as a nested list.

HashTable = [[] for \_ in range(10)]

# Hashing Function to return key for every value.

def Hashing(keyvalue):

return keyvalue % len(HashTable)

# Insert Function to add values to the hash table

def insert(Hashtable, keyvalue, value):

hash\_key = Hashing(keyvalue)

Hashtable[hash\_key].append(value)

# Main Code

insert(HashTable, 1, 'A')

insert(HashTable, 12, 'C')

insert(HashTable, 19, 'B')

insert(HashTable, 8, 'D')

insert(HashTable, 21, 'M')

insert(HashTable, 21, 'Z')

display\_hash (HashTable)