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**Problem 10: Case Study of Hashing:** Given a File of N employee records of company CCET with a set K of Keys(4-digit) which uniquely determine the records in file EMP.dat. Assume that file EMP.dat is maintained in memory by a Hash Table (HT) of **M** memory locations with **L** as the set of memory addresses (2-digit) of locations in HT. Let the keys in **K** and addresses in **L** are integers. Write a modular program in C/C++ that uses Hash function H: K → L as H(K)=K mod M (remainder method), and implement hashing technique to map a given key **K** to the address space **L**. Resolve the collision (if any) using linear probing.