

Data Structures, 2016
Lab Assignment #8

Suppose there are 2000 employees working in an organization. Create a database of all the employees using hash table. Each employee record is specified by the following fields:

Emp_id, Emp_name, Emp_address, Emp_designation, Emp_salary, Emp_department.

Here each employee have a unique seven-digit employee id (Emp_id). Create a hash table of size m . The student's information should be stored in hash table based on the hash function. You may use the division method ($h(\text{key}) \% 1000$) for creating a hash function and based on this specify the m .

Perform the following:

- a) Use *linear probing* for collision resolution.
- b) Use *separate chaining* for collision resolution.