CSCI 2270 Lecture Notes

3/8/19

Abstract Data Type for Hash Table with open addressing

private:

hash table

table size

hashF(key)

public:

init() //constructor

insert(record)

search(key)

delete(key)

display()

struct Record{

string key;

int data;

.

.

}

void insertRecord(Record r) //open addressing approach

1. get hash index based on record key
2. if table[index] is empty, insert the new record there
   1. else, iterate table until next available spot is found

with array, use circular approach

Table Size

* with collision resolution, make the table size the range of possible values