

## Database Management System

### Assignment 2

Due Date: September 29, 2021

Assume the following data is given. For a fast access, we want to create a Hash Table using bucketing and chaining. Use bucket size of 2 in your hash table as (partly) shown below.


As hash function use Mod10 which finds the remainder of the division of ID field by 10.

In case of collisions, if the bucket is full, you should use chaining to store the records.

The data contains ID and Tag fields as given below:

ID	Tag
132	AA
17	BN
111	MS
24	UH
12	AB
65	LP
31	OK
92	GT
73	JD
27	BT
19	ES
82	UR
61	FC
157	ER

#### Deliverable

Draw the hash table, and show the collisions. Create the links connecting the main area buckets to the overflow area buckets whenever a collision happens. Add any explanations that you find necessary.