

Assignment SU9 2023: Hash tables

The purpose of this assignment is to:

- *insert keys in a hash table.*

Suppose, we have a hash table of size **11**. We want to insert keys **20, 34, 45, 70, 56** in the hash table using the following double hash functions:

- $h_1(k) = k \bmod 11$ (first hash function)
- $h_2(k) = 8 - (k \bmod 8)$ (second hash function)

Index	Key
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Do the assignment **by hand** on paper and **show your calculations**.

Scan the handwritten work and submit the scan on eFundi. Remember to **write your Name, Surname and Student number** at the top of the paper.