CSE 208

DATA STRUCTURES AND ALGORITHMS SESSIONAL– II

Offline 8

Report On:

Hash Table with Different Collision Resolution Method

Submitted By
Jayanta Sadhu
Student ID: 1705047
Section: A2

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Machine Configuration:

Processor: Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz 1.80 GHZ

Installed Memory (RAM): 8 GB (7.89 GB usable)

System Type: Windows 10 64-bit

Table for Comparing No. of Collisions and Average Probes:

Size of hash table : 10007
Number of inserted words (randomly generated): 10000
Hash Function 1: Polynomial Rolling Hash Function
Hash Function 2: SDBM Hash Function
Auxilliary Hash Function: DJB2 Hash Function

Collision Resolution Method	Hash1		Hash2	
	No. of Collisions	Avg. Probes	No. of Collisions	Avg. Probes
Chaining Method	3751	1.39	3637	1.3
Double Hashing	57636	3.52	65233	4.7
Custom Probing	62495	3.97	68435	3.58