

## Report : HashTable Offline

Student Id : 2005039

Load factor : 2 (N=5000)

Collision Resolution Method	Hash1		Hash2	
	No Of Collision	Avg probe	No Of Collision	Avg probe
Chain Hashing	5668	0.0977	5656	0.0997
Double Hashing	37661	311.001	35123	321.437
Custom Probing	25036834	253.212	25038004	253.708

Load factor : 1

Collision Resolution Method	Hash1		Hash2	
	No Of Collision	Avg probe	No Of Collision	Avg probe
Chaining Method	3718	0.0506051	3718	0.0489049
Double Hashing	59613	0.670967	59640	0.834083
Custom Probing	59613	0.89689	63277	0.666867

Load factor : 0.5

Collision Resolution Method	Hash1		Hash2	
	No Of Collision	Avg probe	No Of Collision	Avg probe
Chaining Method	2129	0.0261	2136	0.0255
Double Hashing	3858	0.0386	23903	0.039
Custom Probing	3890	0.0371	3808	0.0362