**BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF CSE**

CSE 208: Data Structures and Algorithm Sessional

**Assignment: Offline-07(Hash table)**

**Submitted By,**

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**Lab Group:** A2

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| --- | --- | --- | --- | --- | --- |
| Hash  Table Size | Collision  Resolution  Method | Hash1 | | Hash2 | |
| # of  Collisions | Average Probes | # of  Collisions | Average Probes |
| 5000 | Chaining | 1864 | 1.516 | 1829 | 1.465 |
| Double Hashing | 28802 | 6.053 | 28993 | 6.581 |
| Custom Probing | 37851 | 7.567 | 28842 | 5.978 |

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| --- | --- | --- | --- | --- | --- |
| Hash  Table Size | Collision  Resolution  Method | Hash1 | | Hash2 | |
| # of  Collisions | Average Probes | # of  Collisions | Average Probes |
| 10000 | Chaining | 3680 | 1.529 | 3634 | 1.49 |
| Double Hashing | 62156 | 8.138 | 62663 | 6.433 |
| Custom Probing | 62474 | 5.606 | 66679 | 8.415 |

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| --- | --- | --- | --- | --- | --- |
| Hash  Table Size | Collision  Resolution  Method | Hash1 | | Hash2 | |
| # of  Collisions | Average Probes | # of  Collisions | Average Probes |
| 20000 | Chaining | 2183 | 1.296 | 2133 | 1.224 |
| Double Hashing | 3847 | 1.425 | 3816 | 1.371 |
| Custom Probing | 3969 | 1.459 | 3817 | 1.366 |