

```

ID: 5856 was not found in hash table with counter: 0
ID: 4468 was found in hash table with counter: 1
ID: 2717 was found in hash table with counter: 6
ID: 4685 was found in hash table with counter: 2
ID: 7569 was found in hash table with counter: 1
ID: 4685 was found in hash table with counter: 2
ID: 9213 was found in hash table with counter: 1
ID: 8408 was found in hash table with counter: 2
ID: 4872 was found in hash table with counter: 2
ID: 2083 was found in hash table with counter: 5
ID: 9735 was found in hash table with counter: 2
ID: 8907 was found in hash table with counter: 3
ID: 7948 was found in hash table with counter: 4
ID: 9717 was found in hash table with counter: 2
ID: 2507 was found in hash table with counter: 9
ID: 4317 was found in hash table with counter: 5
ID: 2969 was found in hash table with counter: 3
ID: 6984 was found in hash table with counter: 2

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Searching the elements using Sequential Search Function

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ID: 6018 was not found in hash table with counter: 500
ID: 1189 was not found in hash table with counter: 500
ID: 5856 was not found in hash table with counter: 500
ID: 4468 was found in hash table with counter: 71
ID: 2717 was found in hash table with counter: 290
ID: 4685 was found in hash table with counter: 364
ID: 7569 was found in hash table with counter: 233
ID: 4685 was found in hash table with counter: 364
ID: 9213 was found in hash table with counter: 140
ID: 8408 was found in hash table with counter: 253
ID: 4872 was found in hash table with counter: 27
ID: 2083 was found in hash table with counter: 498
ID: 9735 was found in hash table with counter: 17
ID: 8907 was found in hash table with counter: 44
ID: 7948 was found in hash table with counter: 83
ID: 9717 was found in hash table with counter: 460
ID: 2507 was found in hash table with counter: 24
ID: 4317 was found in hash table with counter: 33
ID: 2969 was found in hash table with counter: 185
ID: 6984 was found in hash table with counter: 126

```

Computational complexity of Linear and Sequential Search

Number	Sequential	Hash
6018	500	0
1189	500	0
5856	500	0
4468	71	1
2717	290	6
4685	364	2
7569	233	1
4685	364	2
9213	140	1
8408	253	2
4872	27	2
2083	498	5
9735	17	2
8907	44	3
7948	83	4
9717	460	2
2507	24	9
4317	33	5
2969	185	3
6984	126	2

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