Hash Codes for the 10 Bucket Table are below:

Names	HashCodes
Dijkstra	8
Kosaraju	2
Turing	3
Lovelace	1
Knuth	2
Backus	1
Neumann	2
Shannon	5
Church	5
Chomsky	4

Using Separate Chaining:

Adding Dijkstra:

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.		0
5.		0
6.		0
7.		0
8.	Dijkstra	0
9.		0

No collisions for Dijkstra. Adding Kosaraju.

Table Index	Word	Collisions
0.		0
1.		0
2.	Kosaraju	0
3.		0
4.		0
5.		0
6.		0
7.		0
8.	Dijkstra	0
9.		0

No collisions. Adding the next one.

Table Index	Word	Collisions
0.		0
1.		0
2.	Kosaraju	0
3.	Turing	0
4.		0
5.		0
6.		0
7.		0
8.	Dijkstra	0
9.		0

No collisions. Adding next

Table Index	Word	Collisions
0.		0
1.	Lovelace	0
2.	Kosaraju	0
3.	Turing	0
4.		0
5.		0
6.		0
7.		0
8.	Dijkstra	0
9.		0

No collision for Lovelace. Adding next.

Table Index	Word	Word after 1 Collision	Collisions
0.			0
1.	Lovelace		0
2.	Kosaraju	Knuth	1
3.	Turing		0
4.			0
5.			0
6.			0
7.			0
8.	Dijkstra		0
9.			0

Knuth has 1 collision at index 2.

Table Index	Word	Word after 1 Collision	Collisions
0.			0
1.	Lovelace	Backus	1
2.	Kosaraju	Knuth	1
3.	Turing		0
4.			0
5.			0
6.			0
7.			0
8.	Dijkstra		0
9.			0

Collision at index 1. Adding next.

Table Index	Word	Word after 1 Collision	Word after 2 collisions	Collisions
0.				0
1.	Lovelace	Backus		1
2.	Kosaraju	Knuth	Neumann	3 (As last one collided with Kosaraju and knuth)
3.	Turing			0
4.				0
5.				0
6.				0
7.				0
8.	Dijkstra			0

|--|

2 Collisions at index 2. Adding next.

Table Index	Word	Word after 1 Collision	Word after 2 collisions	Collisions
0.				0
1.	Lovelace	Backus		1
2.	Kosaraju	Knuth	Neumann	2
3.	Turing			0
4.				0
5.	Shannon			0
6.				0
7.				0
8.	Dijkstra			0
9.				0

No collision. Adding next.

Table Index	Word	Word after 1 Collision	Word after 2 collisions	Collisions
0.				0
1.	Lovelace	Backus		1
2.	Kosaraju	Knuth	Neumann	2
3.	Turing			0
4.				0
5.	Shannon	Church		1
6.				0
7.				0

8.	Dijkstra		0
9.			0

Collision at index 5. Adding next.

Table Index	Word	Word after 1 Collision	Word after 2 collisions	Collisions
0.				0
1.	Lovelace	Backus		1
2.	Kosaraju	Knuth	Neumann	2
3.	Turing			0
4.	Chomsky			0
5.	Shannon	Church		1
6.				0
7.				0
8.	Dijkstra			0
9.				0

No collision. Total collisions are 5.

Hash Codes for the 17 Bucket Table are below:

Names	HashCodes
Dijkstra	12
Kosaraju	16
Turing	4
Lovelace	12
Knuth	12
Backus	6
Neumann	8

Shannon	11
Church	10
Chomsky	3

Adding Dijkstra using linear probing:

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.		0
5.		0
6.		0
7.		0
8.		0
9.		0
10.		0
11.		0
12.	Dijkstra	0
13.		0
14.		0
15.		0
16.		0

No collision. Adding next.

|--|

0.		0
1.		0
2.		0
3.		0
4.		0
5.		0
6.		0
7.		0
8.		0
9.		0
10.		0
11.		0
12.	Dijkstra	0
13.		0
14.		0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0

6.		0
7.		0
8.		0
9.		0
10.		0
11.		0
12.	Dijkstra	0
13.		0
14.		0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0
6.		0
7.		0
8.		0
9.		0
10.		0
11.		0

12.	Dijkstra	1
13.	Lovelace	0
14.		0
15.		0
16.	Kosaraju	0

1 Collision at 12, so I put it at 13.

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0
6.		0
7.		0
8.		0
9.		0
10.		0
11.		0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

2 collisions on 12 and 13, so i put it in 14.

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0
6.	Backus	0
7.		0
8.		0
9.		0
10.		0
11.		0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0

5.		0
6.	Backus	0
7.		0
8.	Neumann	0
9.		0
10.		0
11.		0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0
6.	Backus	0
7.		0
8.	Neumann	0
9.		0
10.		0

11.	Shannon	0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.		0
4.	Turing	0
5.		0
6.	Backus	0
7.		0
8.	Neumann	0
9.		0
10.	Church	0
11.	Shannon	0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

Table Index	Word	Collisions
0.		0
1.		0
2.		0
3.	Chomsky	0
4.	Turing	0
5.		0
6.	Backus	0
7.		0
8.	Neumann	0
9.		0
10.	Church	0
11.	Shannon	0
12.	Dijkstra	2
13.	Lovelace	1
14.	Knuth	0
15.		0
16.	Kosaraju	0

No collision. Total collisions are 3.