Hash Table Practice Problems

1. Insert the following values into a hash table of size 10 using the hash equation

(x2 +1) % 10 using the linear probing technique. Insert these values in sequential order: 1,2,5,6, 8.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |  |  |  |  |  |  |  |  |  |

1. Insert the following values into a hash table of size 10 using the hash equation

(x2 +1) % 10 using the quadratic probing technique. Insert these values in sequential order: 1,2,5,6, 8.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |  |  |  |  |  |  |  |  |  |

1. Insert the following values into a hash table of size 10 using the hash equation

(x2 +1) % 10 using the separate chaining technique. Insert these values in sequential order: 1,2,5,6, 8.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |  |  |  |  |  |  |  |  |  |