A = wbiwb

wbiwb

12

Pointer = kwnd

40 bytes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 12 | 34 | 10 | 13 | 30 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 34 | 10 | 13 | 30 | 56 |  |  |  |  |

Trees.

Key = 30

|  |  |
| --- | --- |
| Key1 | Value1, value 3 |
| Key2 | Value2 |
|  |  |
|  |  |

“student name”: “umar” -> “Ronald” -> null

Hash funtions:

O(1) -> constat time, add/remove in a constant time

Linklist:

Pointer, value.