Separate-chaining symbol table: Java implementation

```
public class SeparateChainingHashST<Key, Value>
{
                       // number of chains
  private int M = 97;
  private Node[] st = new Node[M]; // array of chains
  private static class Node
     private Object key;
     private Object val;
     private Node next;
  private int hash(Key key)
  { return (key.hashCode() & 0x7fffffff) % M; }
  public void put(Key key, Value val) {
     int i = hash(key);
     for (Node x = st[i]; x != null; x = x.next)
        if (key.equals(x.key)) { x.val = val; return; }
     st[i] = new Node(key, val, st[i]);
```