

LAB 14

sc 2)

| | %7 | pos c | pos c | %13 | pos c | pos c |
|-------|----|----------|----------|-----|----------|----------|
| Tom | 1 | 1 | 1 | 8 | 8 | 8 |
| Dick | 0 | 0 | 0 | 1 | 1 | 1 |
| Harry | 0 | 2 | 0 | 8 | 9 | 8 |
| Ken | 6 | 6 | 6 | 4 | 4 | 4 |
| Paul | 4 | 4 | 4 | 11 | 11 | 11 |

3) 24

| | |
|---|---------|
| 0 | 20 |
| 1 | 6 |
| 2 | |
| 3 | |
| 4 | 24 → 14 |

prog 1) // Assume table is static

```

public static int objectLocation(object obj)
{
    int index = obj.hashCode() % table.length;
    if (table[index] == null)
    {
        return -1;
    }
    else if (table[index].compareTo(obj) == 0)
    {
        return index;
    }
    else
    {
        while (table[index].compareTo(obj) != 0)
        {
            index++;
        }
        return index;
    }
}

```