Hashing with Separate Chaining

1. Implement hashing with separate chaining using **(key.hashCode() & 0x7fffffff) % m**" hash function with the following functions where m is the table size and key is the key.

a. put b. get c. delete d. size.

Input Format:

- The first line of the input contains the number of **T** test cases.
- For each test case:
  - The first line of each test case contains n value. (Indicates the number of operations).
  - The operations are separated by spaces. The Operation arguments are separated by comma. (Check for the sample test case).
  - There will be a blank line for each test case.

Output Format:

- Print the output of the operation performed on the hashtable.
  - For size operation, print the size of the hashtable
  - For get operation, print the value returned by get method.
  - For delete operation, print "Key not found." If key is not found and print the hashtable after deletion of each key.
  - For put operation, print the entire hashtable.
- Note: Key and value are separated with colon (:) and pair is separated with comma.

Constraints:

- $1 \leq T \leq 10$. (Test Cases)

Sample Input:

```
1
8
size
get hello
delete hello
put hello,123
put hello,1234
size
get hello
put IH201685051,51
```

Sample Output:

```
0
null
Key not found.
Hashtable is empty.
hello:123
hello:1234
1
1234
IH201685051:51, hello:1234
```