1. Empty table representation
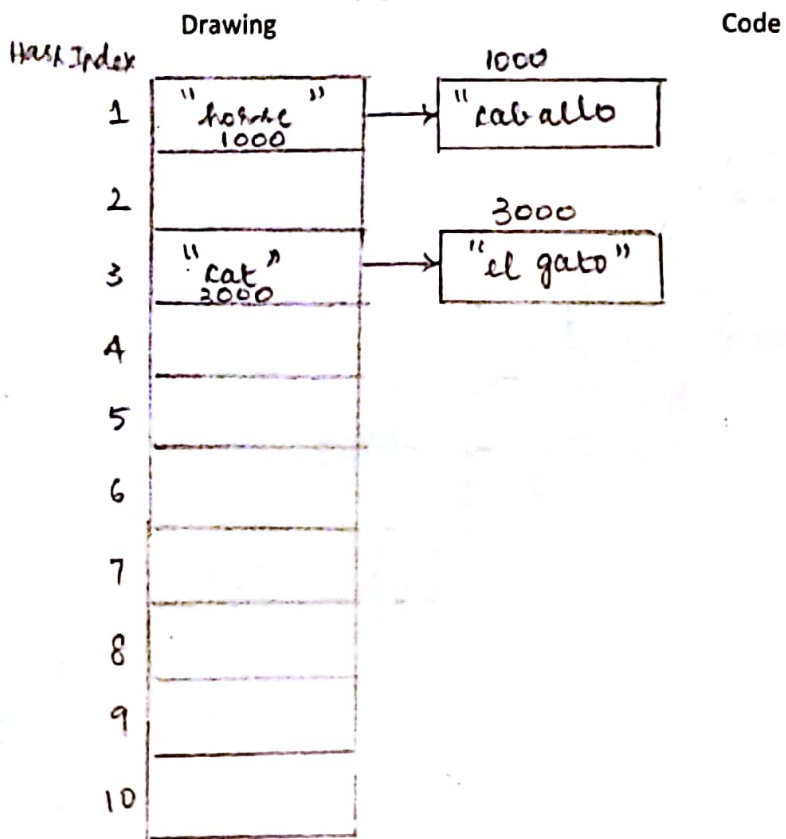
Drawing   Code

Hash Index   Hash Table

```
for (i = 0; i < TABLESIZE; i++) {
    hashtable [i]. key = NULL;
    hashtable [i]. val = NULL;
}
```
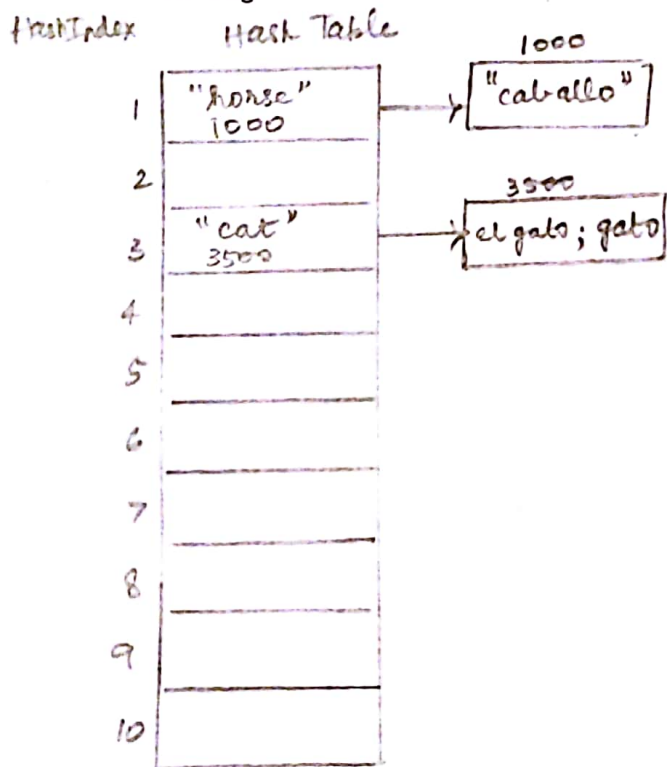
Hash Index	Hash Table
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

2. Table with entry ["horse","caballo"] at index 1 and ["cat", "el gato"] at index 3

Drawing   Code

Hash Index

1	" horse " 1000	→ 1000 " caballo
2		3000
3	" cat " 3000	→ " el gato "
4		
5		
6		
7		
8		
9		
10		

3. Table after user operation *i cat gato*

Drawing   Code

HashIndex   Hash Table

                                          1000
1   "horse"   ————→   "caballo"
     1000

2

                                          3500
3   "cat"   ————→   el gato ; gato
     3500

4

5

6

7

8

9

10

4. Table after deleting item at index 1:

Drawing   Code

Hash Index   Hash table

1	
2	
3	"cat" 3590	→	el gato; gato	3590
4	
5	
6	
-7	
8	
9	
10	