

## DATA STRUCTURE AND PROGRAM DESIGN LAB-08

9. Assume that you have a seven-slot closed hash table (the slots are numbered 0 through 6) Write program to final hash table that would result if you used the hash function  $h(k) = k \bmod 7$

### SAMPLE OUTPUT:

The screenshot shows a terminal window with the following interface elements at the top: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), and PORTS. The terminal content is as follows:

```
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB> gcc Practical-9.c
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB> ./a.exe
Enter number of keys: 5
Enter 5 keys:
8 11 811 85 45 45 96 85

Final Hash Table:
Slot 0 : -1
Slot 1 : 8
Slot 2 : 85
Slot 3 : 45
Slot 4 : 11
Slot 5 : -1
Slot 6 : 811
PS C:\Users\prach\OneDrive\Desktop\DSPD LAB>
```

In the bottom right corner of the terminal window, there is a status bar with the text "Ln 31, Col 1".