

Main.java

The customers created

```
//instances of Customers
Customers c01 = new Customers("John", "0831231234");
Customers c02 = new Customers("Tom", "0831235678");
Customers c03 = new Customers("Kim", "0833334444");
Customers c04 = new Customers("Greg", "0835556666");
Customers c05 = new Customers("Michael", "0835558888");
```

The 10 tables initialized

```
Tables[] tables = new Tables[10]; //init ten 10 array instance of Tables
for(int i=0; i<10; i++) {
    //init tables
    if(i<3) {
        //table number, small size
        tables[i] = new Tables(i+1, "S");
    }else if(i<8) {
        //table number, medium size
        tables[i] = new Tables(i+1, "M");
    }else {
        //table number, Large size
        tables[i] = new Tables(i+1, "L");
    }
}

//print the tables initialized
for(int i=0; i<10; i++) {
    System.out.println(tables[i]);
}
```


```
Table No 1 is available to book
Table No 2 is available to book
Table No 3 is available to book
Table No 4 is available to book
Table No 5 is available to book
Table No 6 is available to book
Table No 7 is available to book
Table No 8 is available to book
Table No 9 is available to book
Table No 10 is available to book
```

The tables booked

```
tables[0].hasBeenBooked(c01); //c01 books table 1
tables[6].hasBeenBooked(c02); //c02 books table 7
tables[9].hasBeenBooked(c05); //c05 books table 10

//now, print the latest changes(state) of the tables
for(int i=0; i<10; i++) {
    System.out.println(tables[i]);
}
```

Table No 1(size: S) is booked by John, 0831231234
Table No 2 is available to book
Table No 3 is available to book
Table No 4 is available to book
Table No 5 is available to book
Table No 6 is available to book
Table No 7(size: M) is booked by Tom, 0831235678
Table No 8 is available to book
Table No 9 is available to book
Table No 10(size: L) is booked by Michael, 0835558888



Tables.java

```
/**
 * getter toString()
 *
 * @return tables available to book. Otherwise, @return the table & customer info booked.
 */
@Override
public String toString() {
    if(this.isAvailable) {
        return "Table No " + this.tableNum + " is available to book";
    }
    return "Table No " + this.tableNum + "(size: " + this.tableSize + ") is booked by " + this.bookedBy.getFname() + ", " + this.bookedBy.getContact();
}
```