

Lab Exercises

1. Given the files *Items.csv*, *Orders.csv* and *Ord_Details.csv* in the folder datasets, merge them with appropriate keys to form a combined data.
2. Combine the data in the files *Courses.csv* and *CourseSchedule.csv* with appropriate keys
3. Given the data Jobsalary.csv. Reshape the data in the following way and store the result in a data frame
Jobresh:

	S_No	variable	value
1	1	Computer	84
2	2	Computer	90
3	3	Computer	63
4	4	Computer	84
5	5	Computer	63
6	6	Computer	75
7	7	Computer	94
8	8	Computer	77
9	1	Marketing	55
10	2	Marketing	53
11	3	Marketing	77
12	4	Marketing	50
13	5	Marketing	41
14	6	Marketing	54
15	7	Marketing	51
16	8	Marketing	64
17	1	Engineer	75
18	2	Engineer	70
19	3	Engineer	88
20	4	Engineer	77
21	5	Engineer	89
22	6	Engineer	85
23	7	Engineer	96
24	8	Engineer	105

4. From the data generated in task no. 1, extract Day, Month and Year from the column Order.Date and create separate columns namely **Day**, **Month** and **Year** and store it in the same dataset only
5. From the data generated in task no. 1, create another column which stores the original date one year later named **After1Year**. E.g. if date is 23rd June 2014 then the date in the created column should be 23rd June 2015.