**05**

**a. Apply the Map-reduce process to compare the sales of products for each month in 2011 to the prior year. Illustrate the process with suitable diagrams.**

**b. What are key-value stores and popular key-value databases? Discuss with an example how data is organized within a single bucket and mention ways to handle key conflicts.**

**06**

**a. Given the following sales data, use the MapReduce process to calculate the total sales for each product. Discuss in detail how the Map and Reduce processes work to compute the total sales.**

**b. Explain the features of key-value stores.**