a. **Case Study Objective** -> Customer order processing and related details
b. **Prerequisite knowledge required** – Scala programming, Core Java experience.

Reference lInks : http://www.scala-lang.org/documentation/.

c. **Description about the dataset** –:

CSV content is present in /src/main/resources/CustomerOrders.csv.

Customer specific details will be provided in CSV format mentioned below –

FirstName,LastName,EmailAddress,ProductName,Price,Quantity,Country
"Harit","Dhiman","harit.dhiman@wipro.com",iphone,1000,1,USA
"Harit","Dhiman","harit.dhiman@wipro.com",iMac,600,2,USA
"Harit","Dhiman","harit.dhiman@wipro.com",iwatch,800,3,USA
"Amit","Misra","amit.misra@wipro.com",iMac,600,3,India
"Amit","Misra","amit.misra@wipro.com",iphone,1000,2,India
"Sunita","Rao","sunita.rao@wipro.com",iphone,1000,3,UK
"Sunita","Rao","sunita.rao@wipro.com",iwatch,800,2,UK
"Prakash","P","prakash.p@wipro.com",iphone,1000,3,India
"Prakash","P","prakash.p@wipro.com",itunes,200,5,India

d. **Problem statement** ->

- Read the CSV file with above content using Scala code.
- Perform some analytical computation on the read data like – ○ Group all products and number of items sold. Example once above CSV is read then expected output is –
  - iphone -> 9, itunes -> 5, iMac -> 5, iwatch -> 5 ○ Group all products by total revenue generated. Example for iphone total revenue generated is 9000 (Price*Quantity).
  - ○ Group total revenue generated by country. Example when above data Is read UK have generated revenue of

800*2 + 1000*3 = 4600 (Price*Quantity for a given country).

- Group revenue generated by customer. Example revenue generated by Harit Dhiman is – 1000*1 + 600*2 + 800*3 = 1000+1200+2400 = 4600