Please submit your R code (or other code) in a .txt file.

1. Run your linear regression on "Lab2_Carseats.csv" data with the following requirements.

   (a) Response variable: Sales.

   (b) Predictors:
       - Continuous variables: CompPrice, Income
       - Qualitative variable: ShelveLoc.

   (c) Systematic function:

$$\text{Sales} = \beta_0 + \beta_1(\text{CompPrice}) + \beta_2(\text{Income}) + \beta_3(\text{ShelveLoc}) + \beta_4(\text{CompPrice} \times \text{ShelvLoc}).$$