Assignment 1.1

­­1. Say True or False for the below statements:

• Prescriptive Analytics used to predict the future outcomes? - **TRUE**

• Base R packages installed automatically? – **TRUE, base R packages are installed automatically when R is installed.**

2. What is Recycling of elements in a vector?

**- On performing any operation on two vectors, they need not be of same length. R automatically repeats the shorter one with till the length of the longer one.**

3. Give an example of recycling of elements.

**- Consider the below code snippet, where x1 is added to x2 and sum is obtained. As x1 has 6 values and x2 has 3 values, values of x2 are repeated for the last three values of x1.**

**x1 <- c (1,2,3,4,5,6)**

**x2 <- c (7,8,9)**

**sum = x1 + x2**

**sum**

**Output:**

> x1<-c(1,2,3,4,5,6)

> x2 <- c (7,8,9)

> sum = x1 + x2

> sum

[1] 8 10 12 11 13 15