**1. Say True or False for the below statements:**

**Prescriptive Analytics used to predict the future outcomes?**

***Ans:*** False

**Base R packages installed automatically?**

***Ans:*** True

**2. What is Recycling of elements in a vector?**

***Ans:*** Recycling happens when arithmetic operation is performed on vectors of different length. When applying an operation to two vectors that requires them to be the same length, R automatically recycles, or repeats, elements of the shorter one, until it is long enough to match the longer Vector.

**3. Give an example of recycling of elements.**

***Ans:***

a=c(1,2,3)

b=c(10,11,12,13,15)

a+b

a\*b

|  |
| --- |
| > a=c(1,2,3)  > b=c(10,11,12,13,15)  >  > a+b  [1] 11 13 15 14 17  Warning message:  In a + b : longer object length is not a multiple of shorter object length  > a\*b  [1] 10 22 36 13 30  Warning message:  In a \* b : longer object length is not a multiple of shorter object length |
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