1. **Please mention true or false for the below statements:**

a) Prescriptive Analytics is used to predict the future outcomes - FALSE

b) Base R packages are installed automatically - TRUE

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

**Ans**. Recycling occurs when vector arithmetic is performed on multiple vectors of different sizes. R takes the shorter vector and repeats them until it becomes long enough to match the longer one.

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

**Ans**. Example is if we have to add vector (1, 2, 3, 4, 5, 6) to vector (1, 3)

Then the shorter vector will convert itself as per the longer vector i.e. (1, 3, 1, 3, 1, 3)

And the result will be (2, 5, 4, 7, 6 ,9)