Problem Statement

1. Say True or False for the below statements:

* Prescriptive Analytics used to predict the future outcomes? (FALSE)
* Base R packages installed automatically? (TRUE)

2. What is Recycling of elements in a vector?

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.

3. Give an example of recycling of elements.

Eg:

c(1,2,3,4,5,6) + c(1,3) will give output > 2,4,3,7,6,9

Internally the c(1,3) vector repeated itself to form c(1,3,1,3,1,3) so that it could successfully match the previous term.

In case of smaller vector size not vector of bigger one, a warning message will be given by R Console and R will recycle the smaller vector until the size of bigger vector is reached.

C(1,2,3,4,5,6)+c(1,2,3,4) => c(1,2,3,4,5,6)+c(1,2,3,4,1,2) = c(2,4,6,8,6,8)