

Assignment 1.1

1. Please mention true or false for the below statements.
 - A) Prescriptive Analytics is used to predict the future outcomes
a) **True**
 - B) Base R Packages are installed automatically
a) **True**
2. What is Recycling of elements in a vector?
a) **If we apply arithmetic operations to two vectors of unequal length, then the elements of the shorter vector are recycled to complete the operations.**
3. Give an example of recycling of elements?

```
x <- c(3,5,7,9,11,13)
y <- c(2,4)
add <- x+y
print(add)
sub <- x-y
print(sub)
```

Output:

```
[1] 5 9 9 13 13 17
[1] 1 1 5 5 9 9
```