

Problem Statement

1. `x <- c('data.science.in.R','machine.learning.in.R')`

Perform the below string operation:

- **Replace the period character "." within each string with another character i.e. "-" minus sign.**

Answer :

a) `x <- c('data.science.in.R', 'machine.learning.in.R')`

```
x
gsub("\\.", '-', x)
```

b) `x<-c("abc.dat", "xyz.dat")`

```
>str_final (enter)
-abc-dat -xyz-dat
```

```
?gsub and ?paste
> paste0("-", gsub("\\.", "-", c("abc.dat", "xyz.dat")))
[1] "-abc-dat" "-xyz-dat"
```

2. `x <- c('data.science.in.R','machine.learning.in.R')`

Perform the below String operation:

- **Append again with "-" minus sign character at the start of each string and finally concatenate all the string within the vector to form a final single string and assigning it to some object**

Answer :

a) `x <- c('data.science.in.R','machine.learning.in.R')`

```
y <- paste("-", x, collapse = "")
y
```

b) If you want a single string, maybe you want to make use of the collapse argument to paste

```
> paste(paste0("-", gsub("\\.", "-", c("abc.dat",
                                     "xyz.dat"))), collapse=" ")
[1] "-abc-dat -xyz-dat"
```