

1. Read multiple json files into a working directory for further converting into a dataset.
I have files text1, text2, text3 in the directory json.

```
install.packages("rjson")
library("rjson")
result <- fromJSON(file = "input.json")
print(result)
```

```
$ID
[1] "1" "2" "3" "4" "5" "6" "7" "8"

$Name
[1] "Rick"      "Dan"      "Michelle" "Ryan"     "Gary"     "Nina"     "Simon"
[8] "Guru"

$Salary
[1] "623.3" "515.2" "611"    "729"     "843.25" "578"     "632.8" "722.5"

$StartDate
[1] "1/1/2012" "9/23/2013" "11/15/2014" "5/11/2014" "3/27/2015" "5/21/2013"
[7] "7/30/2013" "6/17/2014"

$Dept
[1] "IT"      "Operations" "IT"      "HR"      "Finance" "IT"
[7] "Operations" "Finance"
```

```
json_df <- as.data.frame(result)
print(json_df)
```

ID	Name	Salary	StartDate	Dept	
1	1	Rick	623.3	1/1/2012	IT
2	2	Dan	515.2	9/23/2013	Operations
3	3	Michelle	611	11/15/2014	IT
4	4	Ryan	729	5/11/2014	HR
5	5	Gary	843.25	3/27/2015	Finance
6	6	Nina	578	5/21/2013	IT
7	7	Simon	632.8	7/30/2013	Operations
8	8	Guru	722.5	6/17/2014	Finance

2. Parse the following JSON into a data frame

```
js<-'{ "name": null, "release_date_local": null, "title": "3 (2011)",
      "opening_weekend_take": 1234, "year": 2011,
      "release_date_wide": "2011-09-16", "gross": 59954  }'
```

```
library(rjson)
data.frame(t(unlist(fromJSON(js))))
```

```
> js<-'{
+ "name": null, "release_date_local": null, "title": "3 (2011)",
+ "opening_weekend_take": 1234, "year": 2011,
+ "release_date_wide": "2011-09-16", "gross": 59954
+ }'
> library(rjson)
> data.frame(t(unlist(fromJSON(js))))
  title opening_weekend_take year release_date_wide gross
1 3 (2011)           1234 2011      2011-09-16 59954
```

3. Write a script for variable binning using R.

```
x <- c(0,1,3,4,2,4,4,5,43,432,34,2,342,3,4,2)
binned.x <- as.factor(ifelse(x>10,"10+",x))
View(binned.x)
```

1	0
2	1
3	3
4	4
5	2
6	4
7	4
8	5

9	10+
10	10+
11	10+
12	2
13	10+
14	3
15	4
16	2