

ACADGILD ASSIGNMENT - 2.2

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

ANSWER:

Read the JSON File

The JSON file is read by R using the function from JSON().It is stored as a list in R.

Load the package required to read JSON files.

```
library("rjson")
```

Give the input file name to the function.

```
result <- fromJSON(file = "input.json")
```

Print the result.

```
print(result)
```

When we execute the above code, it produces the following result – \$ID [1] "1" "2" "3" "4" "5" "6" "7" "8"

```
$Name [1] "Rick" "Dan" "Michelle" "Ryan" "Gary" "Nina" "Simon" "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" "7/30/2013" "6/17/2014"
```

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

Convert JSON to a Data Frame We can convert the extracted data above to a R data frame for further analysis using the as.data.frame() function.

Convert JSON file to a data frame.

```
json_data_frame <- as.data.frame(result)
```

```
print(json_data_frame)
```

When we execute the above code, it produces the following result –

	Id	Name	Salary	Start Date	Dept
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1	Rick	623.30	2012-01-01	IT
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2	Dan	515.20	2013-09-23	Operations
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3	Michelle	611.00	2014-11-15	IT
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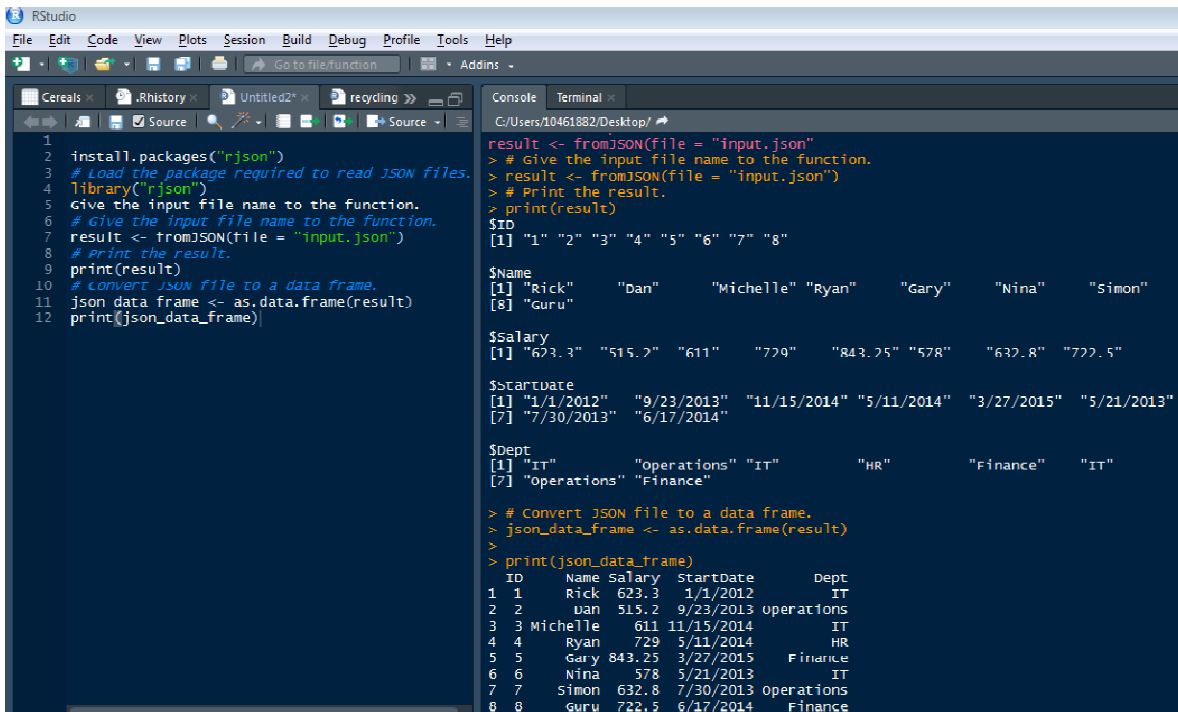
4	Ryan	729.00	2014-05-11	HR
---	------	--------	------------	----

5	Gary	843.25	2015-03-27	Finance
---	------	--------	------------	---------

6	Nina	578.00	2013-05-21	IT
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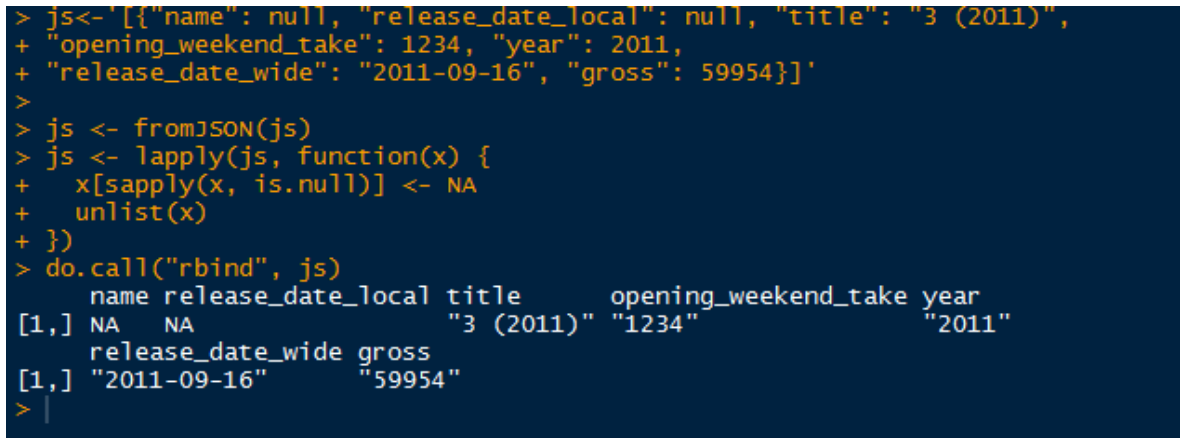
7 Simon 632.80 2013-07-30 Operations

8 Guru 722.50 2014-06-17 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 }'
```



3. Write a script for Variable Binning using R.

