Problem	Solutions
1. Read multiple	Read the JSON File
JSON files into a directory to convert into a	The JSON file is read by R using the function from <b>JSON()</b> . It
	is stored as a list in R.
dataset.	
I have files text1, text2, text3 in the	# Load the package required to read JSON files.
directory JSON.	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"
	<pre>\$Dept [1] "IT" "Operations" "IT" "HR" "Finance"</pre>
	"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.

```
# Load the package required to read JSON files.
library("rjson")

# Give the input file name to the function.
result <- fromJSON(file = "input.json")

# Convert JSON file to a data frame.
json_data_frame <- as.data.frame(result)

print(json_data_frame)</pre>
```

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

```
id,
                           start_date,
                                         dept
          name,
                  salary,
      1
          Rick
                  623.30
                           2012-01-01
                                         ΙT
2
      2
          Dan
                  515.20
                           2013-09-23
                                         Operations
      3
          Michelle 611.00
                           2014-11-15
3
                                         ΙT
                  729.00 2014-05-11
                                         HR
4
     4
          Ryan
     NA
5
                  843.25
                           2015-03-27
                                         Finance
          Gary
          Nina
                  578.00
                           2013-05-21
                                         IT
6
     6
7
     7
          Simon
                  632.80
                           2013-07-30
                                         Operations
          Guru
                  722.50
                           2014-06-17
                                         Finance
```

```
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                                                                                  result <- from JSON(file = "input.json" > # Give the input file name to the function. > result <- from JSON(file = "input.json")
                                      install.packages("rjson")
                                      # Load the package required to read JSON files. library("rjson")
                                                                                  > # Print the result.
                                      Give the input file name to the function.
                                                                                  > print(result)
                                                                                  $ID
                                     result <- fromJSON(file = "input.json")</pre>
                                                                                  [1] "1" "2" "3" "4" "5" "6" "7" "8"
                                     print(result)
                                                                                  [1] "Rick"
[8] "Guru"
                                                                                                "Dan"
                                                                                                          "Michelle" "Ryan"
                                                                                                                              "Gary"
                                                                                                                                        "Nina
                                     json_data_frame <- as.data.frame(result)</pre>
                                  12 print(json_data_frame)
                                                                                  $5alary
[1] "623.3" "515.2" "611" "729" "843.25" "578"
                                                                                                                                      "632.8"
                                                                                  $StartDate
                                                                                  [1] "1/1/2012" "9/23/2013" "11/15/2014" "5/11/2014" "3/27/20.
[7] "7/30/2013" "6/17/2014"
                                                                                  [1] "IT" "Operatio
[7] "Operations" "Finance"
                                                                                                  "Operations" "IT"
                                                                                                                                     "Finance
                                                                                  > json_data_frame <- as.data.frame(result)</pre>
                                                                                         Name Salary StartDate
Rick 623.3 1/1/2012
                                                                                                                      IT
                                                                                          Dan 515.2 9/23/2013 Operations
                                                                                    3 Michelle 611 11/15/2014
                                                                                         Ryan 729 5/11/2014
                                                                                                                      HR
                                                                                          Gary 843.25 3/27/2015
                                                                                                                 Finance
                                                                                         Nina 578 5/21/2013
                                                                                         Simon 632.8 7/30/2013 Operations
                                                                                        Guru 722.5 6/17/2014 Finance
                                   js<-'[{"name": null, "release_date_local": null, "title": "3 (2011)",
2. Parse the
                                    opening_weekend_take": 1234, "year": 2011,
following JSON into
                                  "release_date_wide": "2011-09-16", "gross": 59954}]'
a data frame.
js<-'{
                                   js <- fromJSON(js)</pre>
"name": null,
                                   js <- lapply(js, function(x) {</pre>
"release_date_local
                                     x[sapply(x, is.null)] \leftarrow NA
": null, "title": "3
                                     unlist(x)
(2011)",
                                  })
"opening weekend
                                  do.call("rbind", js)
_take": 1234,
                                       "year": 2011,
                                                                        "3 (2011)" "1234"
                                                                                                                    "2011"
                                [1,] NA NA
"release_date_wide
                                       release_date_wide gross
": "2011-09-16",
                                [1,] "2011-09-16"
                                                                "59954"
"gross": 59954
```