# Question 2

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## Question 2

Consider the following R code and fill in the blanks between # «< and # »> so that the postcondition is satisfied. Consider using the packages rjson and sqldf. (5 marks)

```r
library(rjson)
library(sqldf)

convert = function(infile, outfile, name = "test"){

  data = fromJSON(file = infile)

# <<<
  result = data.frame(matrix(unlist(data[-1]), nrow=length(data[-1]), byrow=TRUE))
  names(result) = data[[1]]
# >>>

  db = dbConnect(SQLite(), dbname = outfile)
  dbWriteTable(conn = db,
               name = name,
               value = result,
               row.names = FALSE,
               overwrite = TRUE)
}

# test convert() function

db = dbConnect(SQLite(), dbname = 'outfile.sqlite')
dbListTables(db)
```

```
## character(0)
```

```r
convert(infile = 'infile.json',
        outfile = 'outfile.sqlite',
        name = 'Question2')

dbReadTable(db, 'Question2')
```

```
##    C1  C2  C3
## 1 1.1 2.2 3.3
## 2 4.4 5.5 6.6
```

```r
dbDisconnect(db)
```