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# How to read.table() multiple files into a single table in R?

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6 I have filenames named <InputData>.<TestName>.csv and I'd like to make graphs for each test. The best way I can see to do this is to make one R table for each TestName. Each test produces the same columns of data, so I'd like to pull in all the data for each test into an R datatable with an extra column for the inputdata.

2 I'd like to do:

```
read.tables(c("B217.SE.csv", "C10.SE.csv"), sep=",")
```

produces (for example):

	Filename	col1	col2
1	B217.SE.csv	1	2
2	B217.SE.csv	2	4
3	C10.SE.csv	3	1
4	C10.SE.csv	4	5

What's the right way to do this? Some existing function I don't know about? Writing it out in the R language using a for loop?

r import

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edited Jan 20 '10 at 21:17  
Marek  
9,495 1 13 34

asked Jan 20 '10 at 19:57  
Thelema  
1,417 1 8 21  
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## 2 Answers

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4 I can't test it on your data, but you will want to use an apply type function like this:

```
data <- do.call("rbind", lapply(c("file1", "file2"), function(fn)
  data.frame(Filename=fn, read.csv(fn))
))
```

Or, you can simplify it by using plyr . Here's a rough simulation of how that would work (using data frames instead of files):

```
> df1 <- data.frame(c1=1:5, c2=rnorm(5))
> df2 <- data.frame(c1=3:7, c2=rnorm(5))
```

In this case I will use get instead of read.csv :

```
> data <- ldply(c("df1", "df2"), function(dn) data.frame(Filename=dn, get(dn)))
> data
  Filename c1      c2
```

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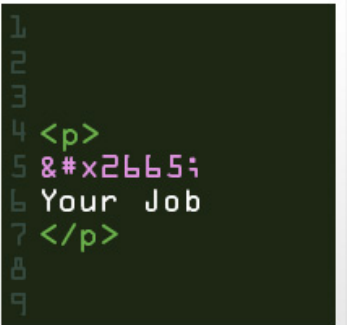
r x 14064


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