



ACADGILD

SESSION 3: Assignment 3

Solution — Guru Pra

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1. Problem Statement

- A. Implement user defined functions within apply function using the mtcars data set and produce column wise summary statistics using apply function and mtcars dataset.
- B. write a program to extract the names of the list

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2. Solution

```
mylist=(list(a=1,b=2,c="string1",d=list("r"=2,  
"z"="string2")))
```

```
for(i in 1:length(mylist)){
```

```
  tempobj=mylist[[i]]  
  ##now create a new variable with the  
  original name of the list item  
  eval(parse(text=paste(names(mylist)[[i]],"=  
tempobj"))))  
}
```

```
> print(a)
```

```
[1] 1
```

```
> print(b)
```

```
[1] 2
```

```
> print(c)
```

```
[1] "string1"
```

```
> print(d)
```

```
$r
```

```
[1] 2
```

```
$z
```

```
[1] "string2"
```

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