

In [8]: *# Write a R program to create a list containing a vector, a matrix and a list*

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In [9]: list_data <- list(c("Red","Green","Black"), matrix(c(1,3,5,7,9,11), nrow = 2),  
  list("Python", "PHP", "Java"))  
print("List:")  
print(list_data)  
names(list_data) = c("Color", "Odd numbers", "Language(s)")  
print("List with column names:")  
print(list_data)  
print('1st element:')  
print(list_data[1])  
print('2nd element:')  
print(list_data[2])
```

```

[1] "List:"
[[1]]
[1] "Red"    "Green" "Black"

[[2]]
      [,1] [,2] [,3]
[1,]    1    5    9
[2,]    3    7   11

[[3]]
[[3]][[1]]
[1] "Python"

[[3]][[2]]
[1] "PHP"

[[3]][[3]]
[1] "Java"

[1] "List with column names:"
$Color
[1] "Red"    "Green" "Black"

$`Odd numbers`
      [,1] [,2] [,3]
[1,]    1    5    9
[2,]    3    7   11

$`Language(s)`
$`Language(s)`[[1]]
[1] "Python"

$`Language(s)`[[2]]
[1] "PHP"

$`Language(s)`[[3]]
[1] "Java"

[1] "1st element:"
$Color
[1] "Red"    "Green" "Black"

[1] "2nd element:"
$`Odd numbers`
      [,1] [,2] [,3]
[1,]    1    5    9
[2,]    3    7   11

```

In []: