

# Dafa Frames in R

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## Defining Vectors

Firstly we begin by making data vectors.  
Vectors can be made simply as this example

```
names = c("Mohannad", "Essam", "Abood", "Mafs")
school_marks = c(98, 99, 100, 96)
qodorat_marks = c(98, 94, 96, 91)
```

## Defining Data Frame

Data Frames are defined like this

```
students = data.frame(names, school_marks, qodorat_marks);
```

names	school_marks	qodorat_marks
Mohannad	98	98
Essam	99	94
Abood	100	96
Mafs	96	91

## Making a new column with computed grades

```
students$computed_grades = students$school_marks * 0.7 + students$qodorat_marks * 0.3
```

names	school_marks	qodorat_marks	computed_grades
Mohannad	98	98	98.0
Essam	99	94	97.5
Abood	100	96	98.8
Mafs	96	91	94.5