# Scheduling exercise solution

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### Exercice

There are XX groups in the class, the orals must be spread over 6 hours, in two 3-hour sessions. We will want to take two 10-minute breaks in the middle of each session. Write a program that randomly assigns a schedule to each group, write out this list of names and schedules in a table. Have a look on this: https://cran.r-project.org/web/packages/kableExtra/vignettes/awesome\_table\_in\_html.html

## Examples

#### Using Python

#### Using R

```
library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':

##
## filter, lag

## The following objects are masked from 'package:base':

##
## intersect, setdiff, setequal, union

test_R = data.frame(
    'schedule'=c('h1','h2','h3'),
    'name'=c('A','B','C')
    )
```

## Get Python object in R

```
library(reticulate)

py$test_py
```

Table 1: Schedules using pandas' DF

schedule	name
h1	A
h2	В
h3	$\mathbf{C}$

Table 2: Schedules R's DF

schedule	name
h1	A
h2 h3	B C

test\_R %>%

kbl(booktabs = T,

caption = "Schedules R's DF") %>%

kable\_classic(full\_width = F, html\_font = "Cambria")

## Create latex tables

• then we put echo = FALSE, in ```{r, echo = FALSE}``` and we don't see the input anymore

Table 3: Schedules using pandas' DF

schedule	name
h1	A
h2	B
h3	C

Table 4: Schedules R's DF

schedule	name
h1	A
h2	В
h3	$\mathbf{C}$
	B C