Proyecto_funcion

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A main function was used to create the selector:

```
Ejt <- function(x)
```

Inside this function there is a sequence of nested If, which will allow us to select the different options (1 to 6).

```
Ejt <- function(x)

  {

  if (x==1){
    return(ej1())
  }
  else if (x==2){

    return(ej2())
  }

  else if (x==3) {

    return(ej3())
  }

  else if (x==4) {

    return(ej4())

  }
```

If the person does not select an option between 1-6, the system will display a message:

"Please select one option between 1 and 6".

Each section is made up of a function that contains each exercise:

```
ej3 <- function(x)

{
  library(nycflights13)
  library(tidyverse)
  library(knitr)

  cat("\n")

  cat(" what happens if you include the name of a variable multiple times in a select() call?\n")

  cat("\n")

  cat("The variable is consistently present multiple times within an outcome\n")

  cat("\n")

  cat("What does the any_of()function do? Why might it be helpful in conjunction with this vector?\n")
```

The CAT function is used to print or concatenate several text arguments in the console or in an output file.

```
Use the filter function to search for flights with an arrival delay of two hours or more.
library(nycflights13)
library(tidyverse)
library(knitr)

 P <- nycflights13::flights
P1 <- filter(P, arr_delay >=2)



Table: In this table you could see P1 information

| year | dest | origin | arr_delay |
|:----:|:----:|:------:|:---------:|
| 2013 | IAH  |  LGA   |    20     |
| 2013 | MIA  |  JFK   |    33     |
| 2013 | ORD  |  LGA   |     8     |
| 2013 | LAX  |  JFK   |     7     |
| 2013 | DFW  |  LGA   |    31     |
| 2013 | ORD  |  EWR   |    32     |
| 2013 | RSW  |  JFK   |     4     |
| 2013 | PHX  |  EWR   |     3     |
| 2013 | MIA  |  LGA   |     5     |
| 2013 | MSP  |  EWR   |    29     |

In the first point we made use of the filter function in order to obtain the data of the flights that had 2
or more hours of delay in arrival, for this we took the column arrive_delay and indicated that the data gre
ater (>) 2 were displayed in the table above.


flew to Houston (IAH or HOU), I choose the IAH airport and filter it with the filter function.
P2 <- nycflights13::flights
 P2.1  <- filter(P2, dest ==IAH
```