HH Class Sorting

Doe Emmanuel

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```
#set working directory
setwd("C:/Users/EMMANUEL/Documents/my projects")

#load readxl function
library(readxl)

#Import excel dataset
excel_sheets("listalphaorder2021.xlsx")
```

```
## [1] "Sheet1"
```

```
read_excel("listalphaorder2021.xlsx")
```

```
## New names:
## * `` -> ...1
## * `` -> ...2
## * `` -> ...4
## * `` -> ...5
## * `` -> ...6
```

```
## # A tibble: 423 x 6
##    ...1  ...2           `HONEY HOME CHILDREN'S NUR. AND~ ...4    ...5    ...6
##    <chr> <chr>          <chr>                            <chr>   <chr>   <chr>
##  1 <NA>  <NA>           11 NURU ONIWO ST. AGUDA SURULER~ <NA>    <NA>    <NA>
##  2 <NA>  <NA>           <NA>                             <NA>    <NA>    <NA>
##  3 <NA>  <NA>           LIST OF PUPILS FOR 1st TERM 202~ <NA>    <NA>    <NA>
##  4 <NA>  <NA>           <NA>                             <NA>    <NA>    <NA>
##  5 <NA>  <NA>           <NA>                             <NA>    <NA>    <NA>
##  6 S/No  NAME           CLASS                            SCHOLA~ ON REB~ COMPUT~
##  7 1     ABAH CHIAMAKA  NURSERY 2A -- CHIOMA             NA      <NA>    KN0001~
##  8 2     ABAH OGOCHUKWU PRIMARY 3C -- 00                 NA      <NA>    BS0002~
##  9 3     ADEBAYO AMIRA~ PRIMARY 5D -- 00                 NA      <NA>    BS0001~
## 10 4     ADEBOWALE OLA~ PRIMARY 5B -- ENIONG             NA      <NA>    BS0001~
## # ... with 413 more rows
```

```
alphaorderlist <- read_excel("listalphaorder2021.xlsx", skip = 8)
alphaorderlist
```

```
## # A tibble: 417 x 6
```

```
##    `S/No` NAME             CLASS          SCHOLARSHIP `ON REBATE?` `COMPUTER No`
##     <dbl> <chr>            <chr>          <chr>       <lgl>        <chr>
##  1      1 ABAH CHIAMAKA    NURSERY 2A --~ NA          NA           KN0001820
##  2      2 ABAH OGOCHUKWU   PRIMARY 3C --~ NA          NA           BS0002110
##  3      3 ADEBAYO AMIRAT ~ PRIMARY 5D --~ NA          NA           BS0001910
##  4      4 ADEBOWALE OLAOL~ PRIMARY 5B --~ NA          NA           BS0001871
##  5      5 ADELEKE ADEDAYO~ PRIMARY 5C --~ NA          NA           BS0001842
##  6      6 ADESANYA DAVID   PRIMARY 6A --~ NA          NA           BS0001775
##  7      7 ADESOYE IBRAHEEM PRIMARY 1A --~ <NA>        NA           BS0002221
##  8      8 ADETUNMBI DEMIL~ PRIMARY 5A --~ NA          NA           BS0001900
##  9      9 ADETUNMBI FUNMI~ PRIMARY 3A --~ NA          NA           BS0002038
## 10     10 ADEWOLE DAVID    PRIMARY 6C --~ NA          NA           BS0001735
## # ... with 407 more rows
```

```
#Load libraries
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
```

```
library(tidyr)
library(stringr)

#rename serial number column
alphaorderlist <- alphaorderlist %>% rename(s_no = `S/No`)

#separate the class teachers from the class
donn <- alphaorderlist %>%
  separate(CLASS, into = c("class", "teacher"), sep = "--")
donn
```

```
## # A tibble: 417 x 7
##     s_no NAME          class     teacher  SCHOLARSHIP `ON REBATE?` `COMPUTER No`
##    <dbl> <chr>         <chr>     <chr>    <chr>       <lgl>        <chr>
##  1     1 ABAH CHIAMAKA "NURSERY~ " CHIOM~ NA          NA           KN0001820
##  2     2 ABAH OGOCHUK~ "PRIMARY~ " OO"    NA          NA           BS0002110
##  3     3 ADEBAYO AMIR~ "PRIMARY~ " OO"    NA          NA           BS0001910
##  4     4 ADEBOWALE OL~ "PRIMARY~ " ENION~ NA          NA           BS0001871
##  5     5 ADELEKE ADED~ "PRIMARY~ " BAMID~ NA          NA           BS0001842
##  6     6 ADESANYA DAV~ "PRIMARY~ " AYO"   NA          NA           BS0001775
##  7     7 ADESOYE IBRA~ "PRIMARY~ " SHOGB~ <NA>        NA           BS0002221
##  8     8 ADETUNMBI DE~ "PRIMARY~ " SALAM~ NA          NA           BS0001900
##  9     9 ADETUNMBI FU~ "PRIMARY~ " OPARA" NA          NA           BS0002038
## 10    10 ADEWOLE DAVID "PRIMARY~ " OO"    NA          NA           BS0001735
## # ... with 407 more rows
```

```
#Remove class alphabets from classes
alphaorderclassonly <-donn %>%
  mutate(class = str_remove(class, "[A-Z]\\s$"))
alphaorderclassonly
```

```
## # A tibble: 417 x 7
##     s_no NAME           class   teacher   SCHOLARSHIP `ON REBATE?` `COMPUTER No`
##    <dbl> <chr>          <chr>   <chr>     <chr>       <lgl>        <chr>
##  1     1 ABAH CHIAMAKA  NURSER~ " CHIOMA" NA          NA           KN0001820
##  2     2 ABAH OGOCHUKWU PRIMAR~ " OO"     NA          NA           BS0002110
##  3     3 ADEBAYO AMIRA~ PRIMAR~ " OO"     NA          NA           BS0001910
##  4     4 ADEBOWALE OLA~ PRIMAR~ " ENIONG" NA          NA           BS0001871
##  5     5 ADELEKE ADEDA~ PRIMAR~ " BAMIDE~ NA          NA           BS0001842
##  6     6 ADESANYA DAVID PRIMAR~ " AYO"    NA          NA           BS0001775
##  7     7 ADESOYE IBRAH~ PRIMAR~ " SHOGBE~ <NA>        NA           BS0002221
##  8     8 ADETUNMBI DEM~ PRIMAR~ " SALAMI" NA          NA           BS0001900
##  9     9 ADETUNMBI FUN~ PRIMAR~ " OPARA"  NA          NA           BS0002038
## 10    10 ADEWOLE DAVID  PRIMAR~ " OO"     NA          NA           BS0001735
## # ... with 407 more rows
```

```
alphaorderclassonly <- alphaorderclassonly %>%
  separate(NAME, into = c("Surname", "First_name", "Other_names"), sep = " ")
```

```
## Warning: Expected 3 pieces. Additional pieces discarded in 10 rows [71, 72, 73,
## 143, 182, 349, 381, 413, 414, 415].
```

```
## Warning: Expected 3 pieces. Missing pieces filled with `NA` in 315 rows [1, 2,
## 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, ...].
```

```
alphaorderclassonly
```

```
## # A tibble: 417 x 9
##     s_no Surname First_name Other_names class teacher SCHOLARSHIP `ON REBATE?`
##    <dbl> <chr>   <chr>      <chr>       <chr> <chr>   <chr>       <lgl>
##  1     1 ABAH    CHIAMAKA   <NA>        NURS~ " CHIO~ NA          NA
##  2     2 ABAH    OGOCHUKWU  <NA>        PRIM~ " OO"   NA          NA
##  3     3 ADEBAYO AMIRAT     OLATOKUNBO  PRIM~ " OO"   NA          NA
##  4     4 ADEBOW~ OLAOLUWA   <NA>        PRIM~ " ENIO~ NA          NA
##  5     5 ADELEKE ADEDAYO    ODINAKA     PRIM~ " BAMI~ NA          NA
##  6     6 ADESAN~ DAVID      <NA>        PRIM~ " AYO"  NA          NA
##  7     7 ADESOYE IBRAHEEM   <NA>        PRIM~ " SHOG~ <NA>        NA
##  8     8 ADETUN~ DEMILADE   <NA>        PRIM~ " SALA~ NA          NA
##  9     9 ADETUN~ FUNMILADE  <NA>        PRIM~ " OPAR~ NA          NA
## 10    10 ADEWOLE DAVID      <NA>        PRIM~ " OO"   NA          NA
## # ... with 407 more rows, and 1 more variable: `COMPUTER No` <chr>
```

```
#check for distinct classes
alphaorderclassonly %>%
  count(class)
```

```
## # A tibble: 10 x 2
##    class         n
##    <chr>     <int>
##  1 KG 1          7
##  2 KG 2         23
##  3 NURSERY 1    23
##  4 NURSERY 2    32
##  5 PRIMARY 1    51
##  6 PRIMARY 2    46
##  7 PRIMARY 3    59
##  8 PRIMARY 4    41
##  9 PRIMARY 5    75
## 10 PRIMARY 6    60
```

```
#gets the count of people whose surname appear more than once(they are most likely siblings)
same_surname <- alphaorderclassonly %>%
  count(Surname) %>%
  filter(n > 1) %>%
  arrange(desc(n))
same_surname
```

```
## # A tibble: 111 x 2
##    Surname          n
##    <chr>        <int>
##  1 OKAFOR          12
##  2 OKEKE            7
##  3 OKONKWO          6
##  4 ETONIRU          5
##  5 ENIKANLOGBON     4
##  6 NWACHUKWU        4
##  7 NWAOKOLO         4
##  8 NWODOH           4
##  9 OKOYE            4
## 10 OLUFEMI          4
## # ... with 101 more rows
```

```
#Creates a new column to initialize grouping
same_surname$groups <- NA

#Assigns numbers to the respective distinct surnames
same_surname$groups <- 1:nrow(same_surname)
same_surname
```

```
## # A tibble: 111 x 3
##    Surname          n groups
##    <chr>        <int>  <int>
##  1 OKAFOR          12      1
##  2 OKEKE            7      2
##  3 OKONKWO          6      3
##  4 ETONIRU          5      4
##  5 ENIKANLOGBON     4      5
##  6 NWACHUKWU        4      6
##  7 NWAOKOLO         4      7
```

```
##  8 NWODOH           4      8
##  9 OKOYE            4      9
## 10 OLUFEMI          4     10
## # ... with 101 more rows
```

```
#sort into group a or b
same_surname$groups_alpha <- NA

i <- 1
for(i in same_surname$groups){
  if(same_surname$groups[i] %% 2 == 0){
    same_surname$groups_alpha[i] <- "group a"
  }else{
    same_surname$groups_alpha[i] <- "group b"
  }
  i <- i + 1
}
same_surname
```

```
## # A tibble: 111 x 4
##    Surname          n groups groups_alpha
##    <chr>        <int>  <int> <chr>
##  1 OKAFOR          12      1 group b
##  2 OKEKE            7      2 group a
##  3 OKONKWO          6      3 group b
##  4 ETONIRU          5      4 group a
##  5 ENIKANLOGBON     4      5 group b
##  6 NWACHUKWU        4      6 group a
##  7 NWAOKOLO         4      7 group b
##  8 NWODOH           4      8 group a
##  9 OKOYE            4      9 group b
## 10 OLUFEMI          4     10 group a
## # ... with 101 more rows
```

```
#this shows(filters) the students with siblings
siblings <- alphaorderclassonly %>%
  filter(Surname %in% same_surname$Surname)
siblings
```

```
## # A tibble: 293 x 9
##     s_no Surname First_name Other_names class teacher SCHOLARSHIP `ON REBATE?`
##    <dbl> <chr>   <chr>      <chr>       <chr> <chr>   <chr>       <lgl>
##  1     1 ABAH    CHIAMAKA   <NA>        NURS~ " CHIO~ NA          NA
##  2     2 ABAH    OGOCHUKWU  <NA>        PRIM~ " OO"   NA          NA
##  3     8 ADETUN~ DEMILADE   <NA>        PRIM~ " SALA~ NA          NA
##  4     9 ADETUN~ FUNMILADE  <NA>        PRIM~ " OPAR~ NA          NA
##  5    10 ADEWOLE DAVID      <NA>        PRIM~ " OO"   NA          NA
##  6    11 ADEWOLE DORATHY    <NA>        NURS~ " BETT~ NA          NA
##  7    12 ADIEZE  DAVID      <NA>        PRIM~ " OMOT~ <NA>        NA
##  8    13 ADIEZE  FLOURISH   AMANDA      NURS~ " BETT~ NA          NA
##  9    15 AGIM    CHIMAMANDA <NA>        PRIM~ " EMMA~ NA          NA
## 10    16 AGIM    PHILIP     <NA>        PRIM~ " OO"   NA          NA
## # ... with 283 more rows, and 1 more variable: `COMPUTER No` <chr>
```

```
#summing helps to know the total number of students in this category
sum(same_surname$n)
```

```
## [1] 293
```

```
#Join to assign the groups to the table that contains the names of children with siblings
same_surname_join_siblings <-inner_join(same_surname, siblings, by = "Surname")
same_surname_join_siblings
```

```
## # A tibble: 293 x 12
##    Surname     n groups groups_alpha  s_no First_name Other_names class teacher
##    <chr>   <int>  <int> <chr>        <dbl> <chr>      <chr>       <chr> <chr>
##  1 OKAFOR     12      1 group b        279 CHIBUNDO   <NA>        PRIM~ " EKEO~
##  2 OKAFOR     12      1 group b        280 CHUKWUAMA~ <NA>        PRIM~ " EKEO~
##  3 OKAFOR     12      1 group b        281 CHUKWUDIR~ <NA>        PRIM~ " EMMA~
##  4 OKAFOR     12      1 group b        282 DABELUCHU~ <NA>        PRIM~ " BAMI~
##  5 OKAFOR     12      1 group b        283 EBUBE      <NA>        NURS~ " CHIO~
##  6 OKAFOR     12      1 group b        284 IGBO       CHIMDUMEBI  PRIM~ " OMOT~
##  7 OKAFOR     12      1 group b        285 KENECHUKWU <NA>        PRIM~ " ODES~
##  8 OKAFOR     12      1 group b        286 NMASICHUK~ <NA>        KG 2  " VIOL~
##  9 OKAFOR     12      1 group b        287 SOMADINA   <NA>        PRIM~ " BAMI~
## 10 OKAFOR     12      1 group b        288 SOMTOCHUK~ <NA>        PRIM~ " BAMI~
## # ... with 283 more rows, and 3 more variables: SCHOLARSHIP <chr>, `ON
## #   REBATE?` <lgl>, `COMPUTER No` <chr>
```

```
#Gets the count of people who don't share surname
dif_surname <- alphaorderclassonly %>%
  count(Surname)%>%
  filter(n==1)
dif_surname
```

```
## # A tibble: 124 x 2
##    Surname        n
##    <chr>      <int>
##  1 ADEBAYO        1
##  2 ADEBOWALE      1
##  3 ADELEKE        1
##  4 ADESANYA       1
##  5 ADESOYE        1
##  6 AGBASI         1
##  7 AGU            1
##  8 AJADI          1
##  9 AJAYI          1
## 10 AKAKASIAKA     1
## # ... with 114 more rows
```

```
#Creates a new column to initialize grouping
dif_surname$groups <- NA

#Assigns numbers to the respective distinct surnames
dif_surname$groups <- 1:nrow(dif_surname)
dif_surname
```

```
## # A tibble: 124 x 3
##    Surname        n groups
##    <chr>      <int>  <int>
##  1 ADEBAYO        1      1
##  2 ADEBOWALE      1      2
##  3 ADELEKE        1      3
##  4 ADESANYA       1      4
##  5 ADESOYE        1      5
##  6 AGBASI         1      6
##  7 AGU            1      7
##  8 AJADI          1      8
##  9 AJAYI          1      9
## 10 AKAKASIAKA     1     10
## # ... with 114 more rows
```

```
#sort into group a or b
dif_surname$groups_alpha <- NA

i <- 1
for(i in dif_surname$groups){
  if(dif_surname$groups[i] %% 2 == 0){
    dif_surname$groups_alpha[i] <- "group a"
  }else{
    dif_surname$groups_alpha[i] <- "group b"
  }
  i <- i + 1
}
dif_surname
```

```
## # A tibble: 124 x 4
##    Surname        n groups groups_alpha
##    <chr>      <int>  <int> <chr>
##  1 ADEBAYO        1      1 group b
##  2 ADEBOWALE      1      2 group a
##  3 ADELEKE        1      3 group b
##  4 ADESANYA       1      4 group a
##  5 ADESOYE        1      5 group b
##  6 AGBASI         1      6 group a
##  7 AGU            1      7 group b
##  8 AJADI          1      8 group a
##  9 AJAYI          1      9 group b
## 10 AKAKASIAKA     1     10 group a
## # ... with 114 more rows
```

```
#shows(filters) the students without siblings
no_siblings <- alphaorderclassonly %>%
  filter(Surname %in% dif_surname$Surname)
no_siblings
```

```
## # A tibble: 124 x 9
##     s_no Surname First_name Other_names class teacher SCHOLARSHIP `ON REBATE?`
##    <dbl> <chr>   <chr>      <chr>       <chr> <chr>   <chr>       <lgl>
##  1     3 ADEBAYO AMIRAT     OLATOKUNBO  PRIM~ " OO"   NA          NA
```

```
##  2     4 ADEBOW~ OLAOLUWA   <NA>        PRIM~ " ENIO~ NA          NA
##  3     5 ADELEKE ADEDAYO    ODINAKA     PRIM~ " BAMI~ NA          NA
##  4     6 ADESAN~ DAVID      <NA>        PRIM~ " AYO"  NA          NA
##  5     7 ADESOYE IBRAHEEM   <NA>        PRIM~ " SHOG~ <NA>        NA
##  6    14 AGBASI  ZIKORAH    <NA>        PRIM~ " OPAR~ NA          NA
##  7    19 AGU     CHINEDU    <NA>        PRIM~ " 00"   NA          NA
##  8    20 AJADI   DEBORAH    <NA>        PRIM~ " 00"   NA          NA
##  9    21 AJAYI   ANJOLAOLU~ <NA>        NURS~ " OGUN~ NA          NA
## 10    26 AKAKAS~ DOMINION   <NA>        PRIM~ " OMOT~ <NA>        NA
## # ... with 114 more rows, and 1 more variable: `COMPUTER No` <chr>
```

```
#Join to assign the groups to the table that contains the names of children with no siblings
dif_surname_join_no_sibling <-inner_join(dif_surname, no_siblings, by = "Surname")
dif_surname_join_no_sibling
```

```
## # A tibble: 124 x 12
##    Surname     n groups groups_alpha  s_no First_name Other_names class teacher
##    <chr>   <int>  <int> <chr>        <dbl> <chr>      <chr>       <chr> <chr>
##  1 ADEBAYO     1      1 group b          3 AMIRAT     OLATOKUNBO  PRIM~ " 00"
##  2 ADEBOW~     1      2 group a          4 OLAOLUWA   <NA>        PRIM~ " ENIO~
##  3 ADELEKE     1      3 group b          5 ADEDAYO    ODINAKA     PRIM~ " BAMI~
##  4 ADESAN~     1      4 group a          6 DAVID      <NA>        PRIM~ " AYO"
##  5 ADESOYE     1      5 group b          7 IBRAHEEM   <NA>        PRIM~ " SHOG~
##  6 AGBASI      1      6 group a         14 ZIKORAH    <NA>        PRIM~ " OPAR~
##  7 AGU         1      7 group b         19 CHINEDU    <NA>        PRIM~ " 00"
##  8 AJADI       1      8 group a         20 DEBORAH    <NA>        PRIM~ " 00"
##  9 AJAYI       1      9 group b         21 ANJOLAOLU~ <NA>        NURS~ " OGUN~
## 10 AKAKAS~     1     10 group a         26 DOMINION   <NA>        PRIM~ " OMOT~
## # ... with 114 more rows, and 3 more variables: SCHOLARSHIP <chr>, `ON
## #   REBATE?` <lgl>, `COMPUTER No` <chr>
```

```
#Removing unwanted columns from the two tables
same_surname_join_siblings <- same_surname_join_siblings %>%
  select(-n, -teacher, -SCHOLARSHIP, -`ON REBATE?`, -`COMPUTER No`)
same_surname_join_siblings
```

```
## # A tibble: 293 x 7
##    Surname groups groups_alpha  s_no First_name   Other_names class
##    <chr>    <int> <chr>        <dbl> <chr>        <chr>       <chr>
##  1 OKAFOR       1 group b        279 CHIBUNDO     <NA>        PRIMARY 2
##  2 OKAFOR       1 group b        280 CHUKWUAMANDA <NA>        PRIMARY 2
##  3 OKAFOR       1 group b        281 CHUKWUDIRIM  <NA>        PRIMARY 4
##  4 OKAFOR       1 group b        282 DABELUCHUKWU <NA>        PRIMARY 5
##  5 OKAFOR       1 group b        283 EBUBE        <NA>        NURSERY 2
##  6 OKAFOR       1 group b        284 IGBO         CHIMDUMEBI  PRIMARY 1
##  7 OKAFOR       1 group b        285 KENECHUKWU   <NA>        PRIMARY 4
##  8 OKAFOR       1 group b        286 NMASICHUKWU  <NA>        KG 2
##  9 OKAFOR       1 group b        287 SOMADINA     <NA>        PRIMARY 5
## 10 OKAFOR       1 group b        288 SOMTOCHUKWU  <NA>        PRIMARY 5
## # ... with 283 more rows
```

```
dif_surname_join_no_sibling <- dif_surname_join_no_sibling %>%
  select(-n, -teacher, -SCHOLARSHIP, -`ON REBATE?`, -`COMPUTER No`)
dif_surname_join_no_sibling
```

```
## # A tibble: 124 x 7
##    Surname    groups groups_alpha  s_no First_name  Other_names class
##    <chr>       <int> <chr>        <dbl> <chr>       <chr>       <chr>
##  1 ADEBAYO         1 group b          3 AMIRAT      OLATOKUNBO  PRIMARY 5
##  2 ADEBOWALE       2 group a          4 OLAOLUWA    <NA>        PRIMARY 5
##  3 ADELEKE         3 group b          5 ADEDAYO     ODINAKA     PRIMARY 5
##  4 ADESANYA        4 group a          6 DAVID       <NA>        PRIMARY 6
##  5 ADESOYE         5 group b          7 IBRAHEEM    <NA>        PRIMARY 1
##  6 AGBASI          6 group a         14 ZIKORAH     <NA>        PRIMARY 3
##  7 AGU             7 group b         19 CHINEDU     <NA>        PRIMARY 6
##  8 AJADI           8 group a         20 DEBORAH     <NA>        PRIMARY 3
##  9 AJAYI           9 group b         21 ANJOLAOLUWA <NA>        NURSERY 1
## 10 AKAKASIAKA     10 group a         26 DOMINION    <NA>        PRIMARY 1
## # ... with 114 more rows
```

```
#Joining the two tables
full_grouped_table <- full_join(same_surname_join_siblings, dif_surname_join_no_sibling)%>%
  select(-groups) %>%
    arrange(Surname)
```

```
## Joining, by = c("Surname", "groups", "groups_alpha", "s_no", "First_name", "Other_names", "class")
```

```
full_grouped_table
```

```
## # A tibble: 417 x 6
##    Surname   groups_alpha  s_no First_name Other_names class
##    <chr>     <chr>        <dbl> <chr>      <chr>       <chr>
##  1 ABAH      group b          1 CHIAMAKA   <NA>        NURSERY 2
##  2 ABAH      group b          2 OGOCHUKWU  <NA>        PRIMARY 3
##  3 ADEBAYO   group b          3 AMIRAT     OLATOKUNBO  PRIMARY 5
##  4 ADEBOWALE group a          4 OLAOLUWA   <NA>        PRIMARY 5
##  5 ADELEKE   group b          5 ADEDAYO    ODINAKA     PRIMARY 5
##  6 ADESANYA  group a          6 DAVID      <NA>        PRIMARY 6
##  7 ADESOYE   group b          7 IBRAHEEM   <NA>        PRIMARY 1
##  8 ADETUNMBI group a          8 DEMILADE   <NA>        PRIMARY 5
##  9 ADETUNMBI group a          9 FUNMILADE  <NA>        PRIMARY 3
## 10 ADEWOLE   group b         10 DAVID      <NA>        PRIMARY 6
## # ... with 407 more rows
```

```
#Separating groups
group_a_pupils <- full_grouped_table %>%
  filter(groups_alpha == "group a")
group_a_pupils
```

```
## # A tibble: 204 x 6
##    Surname   groups_alpha  s_no First_name     Other_names class
##    <chr>     <chr>        <dbl> <chr>          <chr>       <chr>
```

```
##  1 ADEBOWALE group a          4 OLAOLUWA       <NA>        PRIMARY 5
##  2 ADESANYA  group a          6 DAVID          <NA>        PRIMARY 6
##  3 ADETUNMBI group a          8 DEMILADE       <NA>        PRIMARY 5
##  4 ADETUNMBI group a          9 FUNMILADE      <NA>        PRIMARY 3
##  5 ADIEZE    group a         12 DAVID          <NA>        PRIMARY 1
##  6 ADIEZE    group a         13 FLOURISH       AMANDA      NURSERY 1
##  7 AGBASI    group a         14 ZIKORAH        <NA>        PRIMARY 3
##  8 AGODI     group a         17 CHIMAMAKA      <NA>        PRIMARY 2
##  9 AGODI     group a         18 OLUEBUBECHUKWU <NA>        NURSERY 2
## 10 AJADI     group a         20 DEBORAH        <NA>        PRIMARY 3
## # ... with 194 more rows
```

```
group_b_pupils <- full_grouped_table %>%
  filter(groups_alpha == "group b")
group_b_pupils
```

```
## # A tibble: 213 x 6
##    Surname groups_alpha  s_no First_name Other_names class
##    <chr>   <chr>        <dbl> <chr>      <chr>       <chr>
##  1 ABAH    group b          1 CHIAMAKA   <NA>        NURSERY 2
##  2 ABAH    group b          2 OGOCHUKWU  <NA>        PRIMARY 3
##  3 ADEBAYO group b          3 AMIRAT     OLATOKUNBO  PRIMARY 5
##  4 ADELEKE group b          5 ADEDAYO    ODINAKA     PRIMARY 5
##  5 ADESOYE group b          7 IBRAHEEM   <NA>        PRIMARY 1
##  6 ADEWOLE group b         10 DAVID      <NA>        PRIMARY 6
##  7 ADEWOLE group b         11 DORATHY    <NA>        NURSERY 1
##  8 AGIM    group b         15 CHIMAMANDA <NA>        PRIMARY 4
##  9 AGIM    group b         16 PHILIP     <NA>        PRIMARY 5
## 10 AGU     group b         19 CHINEDU    <NA>        PRIMARY 6
## # ... with 203 more rows
```

```
#Filter for different class
kg_1_group_a <- group_a_pupils %>%
  filter(class == "KG 1")
kg_1_group_a
```

```
## # A tibble: 3 x 6
##   Surname groups_alpha  s_no First_name Other_names class
##   <chr>   <chr>        <dbl> <chr>      <chr>       <chr>
## 1 ETONIRU group a        125 EMMANUELLA <NA>        KG 1
## 2 OLUFEMI group a        333 FOLAKEMI   GRACE       KG 1
## 3 OMOSULE group a        338 FEYISOLA   <NA>        KG 1
```

```
kg_1_group_b <- group_b_pupils %>%
  filter(class == "KG 1")
kg_1_group_b
```

```
## # A tibble: 4 x 6
##   Surname groups_alpha  s_no First_name     Other_names    class
##   <chr>   <chr>        <dbl> <chr>          <chr>          <chr>
## 1 ANYANWU group b         50 OLUEBUBECHUKWU MELODY         KG 1
## 2 MAHA    group b        182 -              AMSHAL         KG 1
```

```
## 3 OROKO   group b        356 MALEEK         <NA>           KG 1
## 4 SOKUNBI group b        380 SHARON         ATOHUNSELOLUWA KG 1
```

```
kg_2_group_a <- group_a_pupils %>%
  filter(class == "KG 2")
kg_2_group_a
```

```
## # A tibble: 9 x 6
##   Surname  groups_alpha  s_no First_name Other_names   class
##   <chr>    <chr>        <dbl> <chr>      <chr>         <chr>
## 1 AMAEFULE group a         35 CHINAZA    <NA>          KG 2
## 2 EJIKEME  group a         99 CHIZARAM   <NA>          KG 2
## 3 FAWEMO   group a        141 OLAOLUWA   <NA>          KG 2
## 4 JOHNSON  group a        168 CHIMAMANDA MICHELLE      KG 2
## 5 NGWU     group a        196 DANIELLE   CHIBUSOMMA    KG 2
## 6 OCHIOGU  group a        252 EBUBE      <NA>          KG 2
## 7 OKONGWU  group a        303 JASON      <NA>          KG 2
## 8 OSADUME  group a        358 ESTHER     ONYINYECHUKWU KG 2
## 9 VINCENT  group a        414 -          UKAIWE        KG 2
```

```
#and so on
```

R Markdown