industry in Canada. The Board of Directors for the Society is made up of an elected executive committee and elected regional representatives. Below is a *partial* list of the members of the Board of Directors of the SSC, along with their roles and the dates of the ends of their elected terms.

```
board_of_directors <- list(
  Exec = tibble(
    Name=c("Grace Yi","Bruno Rémillard"),
    Position=c("President","President-Elect"),
    Term_End=c("2022-06-30","2022-06-30")
  ),
  Regional_Reps = list(
    Atlantic_Region = tibble(
    Name=c("Michael McIsaac","Wilson Lu"),
    Term_End=c("2022-06-30","2023-06-30")
    ),
    Quebec = tibble(
      Name=c("Paramita Saha Chaudhuri","Cody Hyndman",
             "Johanna Neslehova","Denis Talbot"),
      Term_End=c("2022-06-30","2022-06-30","2023-06-30","2023-06-30")
    )
  )
)
```

a. What objects (or values) are returned by the following lines of R code?

```
board_of_directors$Exec[1,2]
board_of_directors[[2]][1,]
board_of_directors[[2]][1]
board_of_directors[2][[1]][[1]]
```

b. Using R code, write statements which yield the following three results:

```
Result 1:
```

```
# A tibble: 1 x 1
  Name
  <chr>
1 Johanna Neslehova
```

```
Result 2:
```

```
# A tibble: 2 x 1
  Position
  <chr>
1 President
2 President-Elect
```

```
Result 3:
```

```
# A tibble: 1 x 2
  Name                 Term_End
  <chr>                <chr>
1 Paramita Saha Chaudhuri 2022-06-30
```

```
Result 4:
```

```
# A tibble: 2 x 2
  Name                 Term_End
  <chr>                <chr>
1 Paramita Saha Chaudhuri 2022-06-30
2 Johanna Neslehova       2023-06-30
```

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Expert Answer ⓘ

Code Snapshot:

```r
board_of_directors$Exec[1,2]
cat("\n")
board_of_directors[[2]][[1]][1,]
cat("\n")
board_of_directors[[2]][1]
cat("\n")
board_of_directors[2][[1]][[1]]
```

Output Snapshot:

```
# A tibble: 1 x 1
  Position
  <chr>
1 President

# A tibble: 1 x 2
  Name            Term_End
  <chr>           <chr>
1 Michael McIsaac 2022-06-30

$Atlantic_Region
# A tibble: 2 x 2
  Name            Term_End
  <chr>           <chr>
1 Michael McIsaac 2022-06-30
2 Weilson Lu      2022-06-30


# A tibble: 2 x 2
  Name            Term_End
  <chr>           <chr>
1 Michael McIsaac 2022-06-30
2 Weilson Lu      2022-06-30
```

b. Using R code, write statements which yield the following results:

Result 1 Code:

sdf=board_of_directors[[2]][[2]] # selecting second list in board_of_directors list followed by second dataframe
sdf[3,1] # from the above selected dataframe, selecting 3rd row and 1st column value

Result 1 Output Snapshot:

```
# A tibble: 1 x 1
  Name
  <chr>
1 Johanna Neslehova
```

Result 2 Code:

board_of_directors$Exec[2] # Selecting 2nd column of Exec dataframe from the board_of_directors list

Result 2 Output Snapshot:

```
<chr>
1 President
2 President_Elect
```

Result 3 Code:

sdf=board_of_directors[[2]][[2]] # selecting second list in board_of_directors list followed by second
dataframe
sdf[sdf$Name=="Paramita Saha Chaudhuri",] # selecting the row with all columns which has name
Paramita Saha Chaudhuri

Result 3 Output Snapshot:

```
# A tibble: 1 x 2
  Name                 Term_End
  <chr>                <chr>
1 Paramita Saha Chaudhuri 2022-06-30
```

Result 4 Code:

sdf=board_of_directors[[2]][[2]] # selecting second list in board_of_directors list followed by second
dataframe
sdf[c(1,3),] # selecting rows 1 and 3 with all columns from above filtered dataframe

Result 4 Output Snapshot:

```
# A tibble: 2 x 2
  Name                 Term_End
  <chr>                <chr>
1 Paramita Saha Chaudhuri 2022-06-30
2 Johanna Neslehova       2022-06-30
```

Comment ❯

Practice with similar questions

Q: 1 point Bader is a famous salesman in Oman. He is known to be a trusted and honest dealer who has built a
reputation for building his company with what is best for his customers. Bader views the concept of persuasion as: O
a way to incorporate the you" attitude in the marketing message. O a way to increase the ramifications of marketing
and sales message. a way to align his...

A: See answer

Up next for you in Computer Science

Use MATLAB built in functions to analyze the data of grades for 5 students	Can I get help to create an ER diagram for the following requirements: • A COMMITTEE has a unique name within the	
		See more questions for subjects you study

```
         HW1   HW2   HW3
Student 1  100  98.5   85
Student 2   95  75.1   80
Student 3   90  85.7   85
Student 4  100 100.3   95
```

See answer   See answer

Questions viewed by other students