Question 3

Not yet answered

Marked out of 5.00

Consider a `data.frame` object in R named `df` with the following variables:

- `salary`
- `yrs.service`
- `yrs.since.phd`
- `rank`
- `discipline`
- `sex`

The exact data (including row numbers to the very left for better orientation) contained in `df` is as follows:

	salary	yrs.service	yrs.since.phd	rank	discipline	sex
1	107300	7	19	Prof	A	Male
2	119500	11	13	Prof	B	Male
3	186023	18	33	Prof	A	Male
4	133700	22	43	Prof	B	Male
5	150000	22	26	Prof	B	Male
6	145200	10	23	Prof	B	Male
7	72500	0	2	AsstProf	A	Female
8	72300	43	49	Prof	A	Male
9	96614	22	24	Prof	A	Male
10	86373	4	7	AsstProf	B	Male
11	137167	16	15	Prof	B	Male

What is the outcome of the following R expressions? Please feel free to check the R help, if you need additional information about the used functions.

a. `df$sex[6]`

b. `names(df)[2]`

c. `df$discipline[nrow(df)] == "B"`

d. `df[[5]][9]`

e. `df[9, 5]`

f. `length(df$discipline == "A")`

g. `length(df$discipline[df$discipline == "A"])`

h. `sum(df$discipline == "A")`

i. `max(df$salary[1:3])`

j. `sort(df$salary[1:3], decreasing = TRUE)[1]`

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