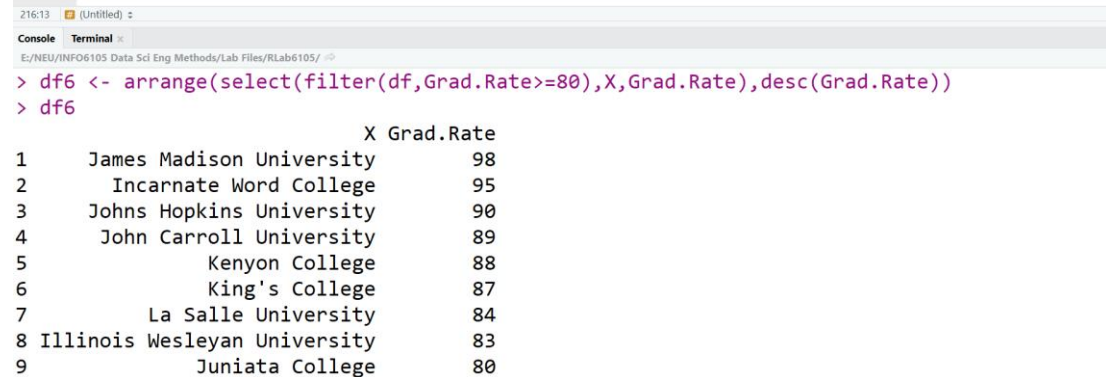


INFO6105-Assignment-1-Zihan Wan

EXERCISE-1

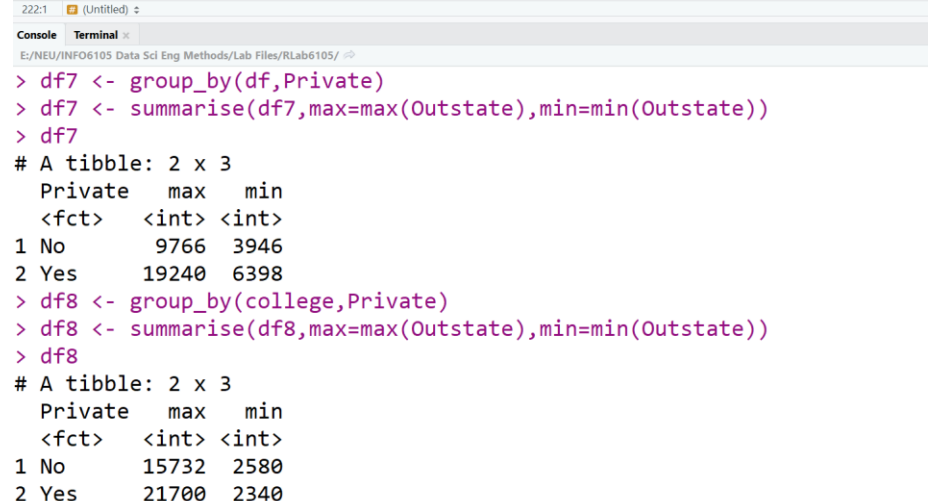
```
137 ## [your code here]
138
139 ## filter rows of Grad.Rate>=80: df4 <- filter(df,Grad.Rate>=80)
140 ## select columns of X and Grad.Rate: df5 <- select(df4,X,Grad.Rate)
141 ## arrange rows in descending order of Grad.Rate: df6 <- arrange(df5,desc(Grad.Rate))
142 ## put codes above together:
143 df6 <- arrange(select(filter(df,Grad.Rate>=80),X,Grad.Rate),desc(Grad.Rate))
144 ## view result
145 df6
```



| | X | Grad.Rate |
|---|------------------------------|-----------|
| 1 | James Madison University | 98 |
| 2 | Incarnate Word College | 95 |
| 3 | Johns Hopkins University | 90 |
| 4 | John Carroll University | 89 |
| 5 | Kenyon College | 88 |
| 6 | King's College | 87 |
| 7 | La Salle University | 84 |
| 8 | Illinois Wesleyan University | 83 |
| 9 | Juniata College | 80 |

EXERCISE-2

```
205 ## [your code here]
206
207 ## group by Private in dataset 'df'
208 df7 <- group_by(df,Private)
209 ## summarise max and min tuition ("Outstate")
210 df7 <- summarise(df7,max=max(Outstate),min=min(Outstate))
211 ## view result
212 df7
213
214 ## group by Private in dataset 'college'
215 df8 <- group_by(college,Private)
216 ## summarise max and min tuition ("Outstate")
217 df8 <- summarise(df8,max=max(Outstate),min=min(Outstate))
218 ## view result
219 df8
```



```
# A tibble: 2 x 3
  Private    max    min
  <fct>    <int> <int>
1 No       9766  3946
2 Yes     19240  6398

# A tibble: 2 x 3
  Private    max    min
  <fct>    <int> <int>
1 No     15732  2580
2 Yes    21700  2340
```