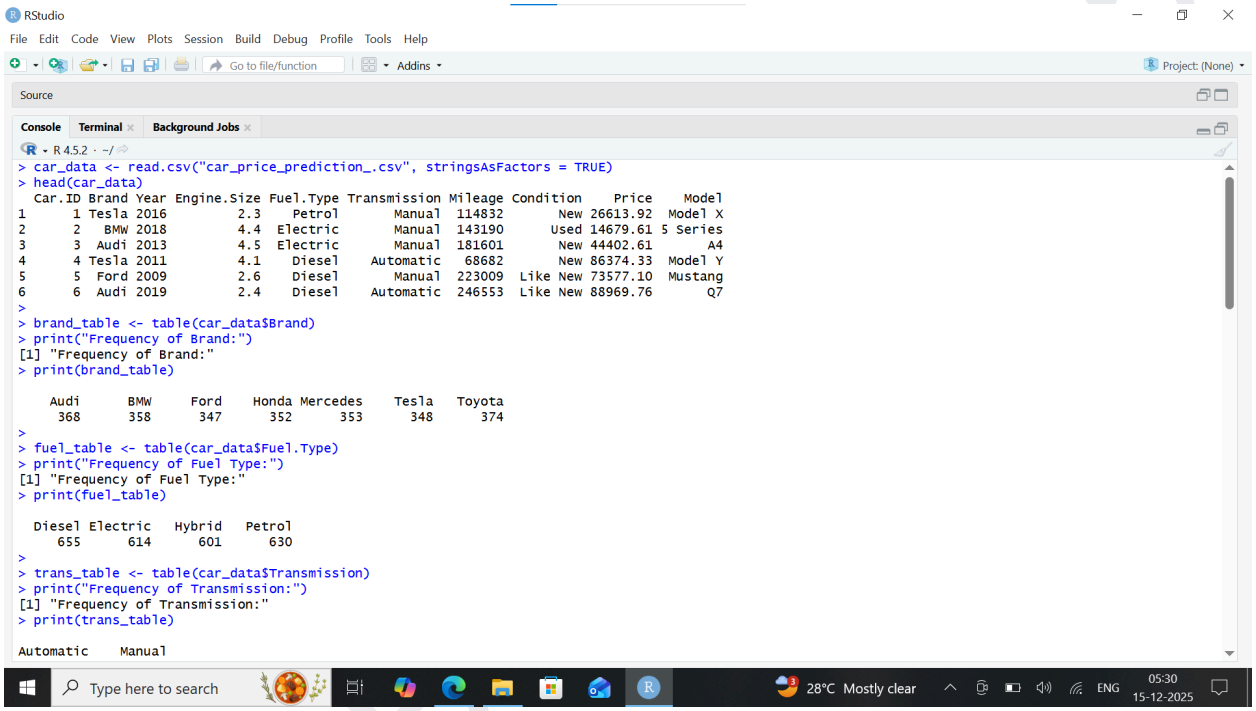
SHETH L.U.J. AND SIR M.V. COLLEGE OF ARTS SCIENCE AND COMMERCE

SUBJECT : R Programming

Practical No 3 Module II

Aim :Creating cross-tabulations and two-way tables using table() (R)

Output :



NAME : SHUBHAM SANJAY KARAPE

ROLL NO : S085

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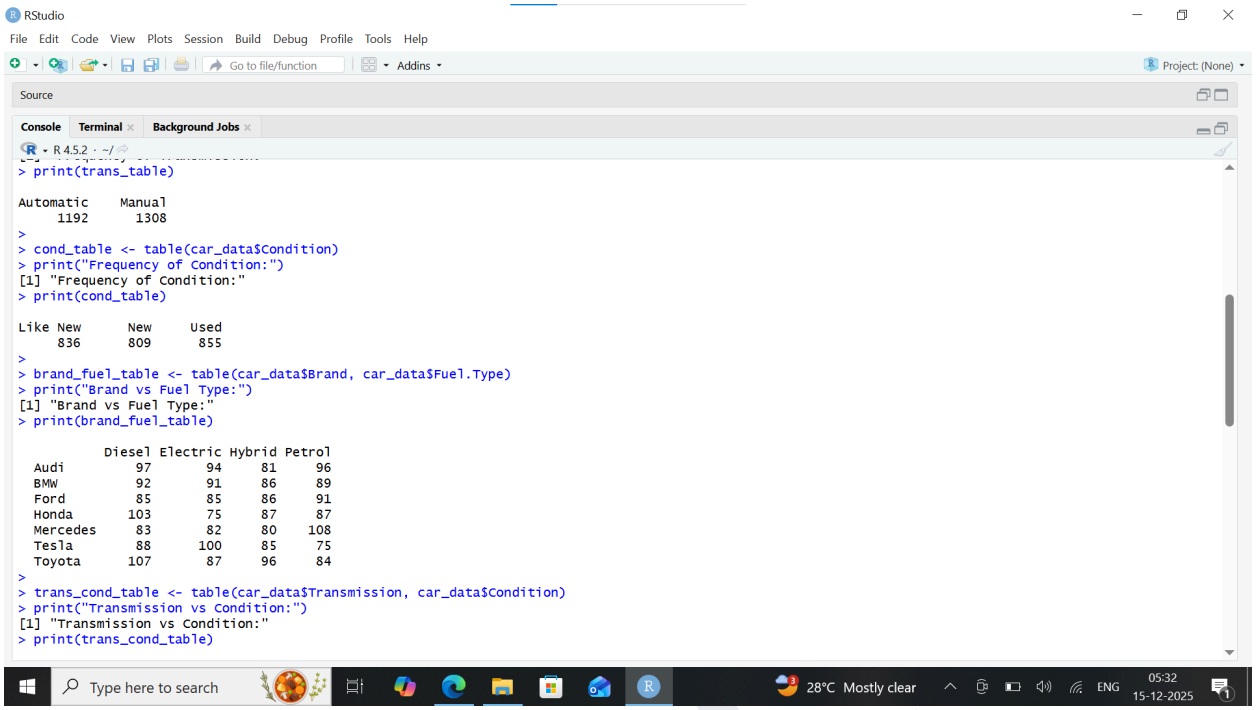
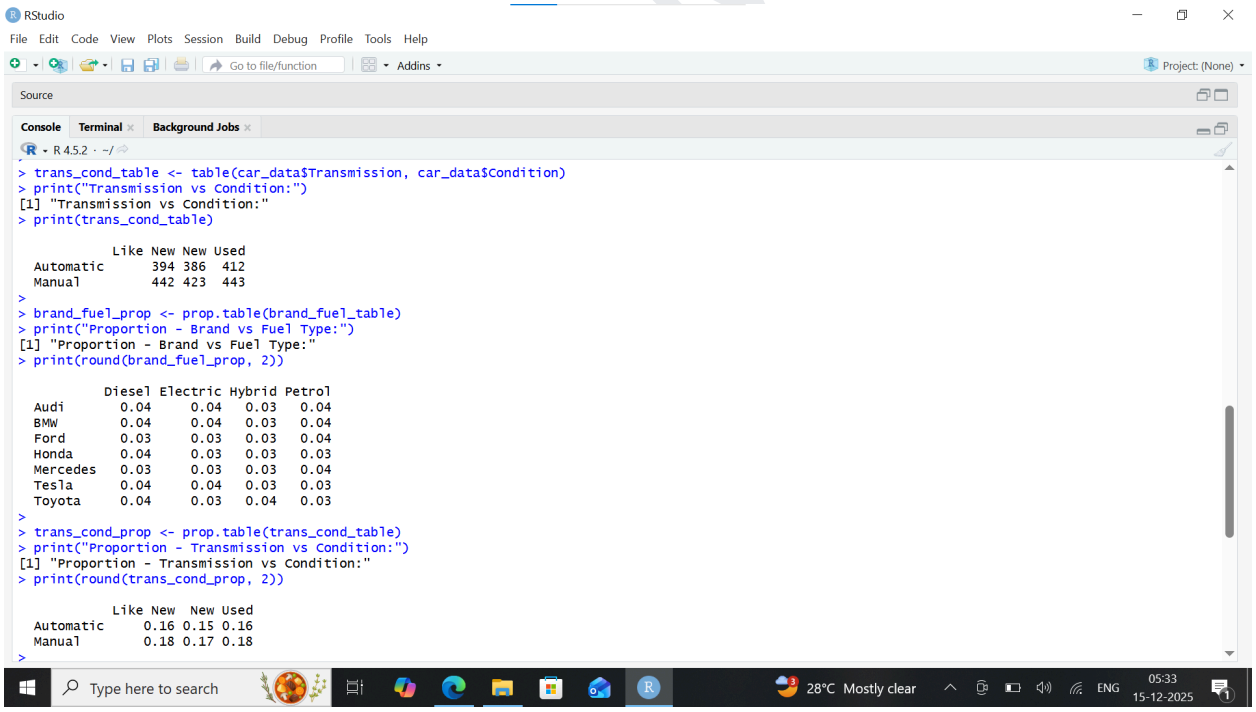


```
> print(trans_table)

Automatic    Manual
     1192      1308
>
> cond_table <- table(car_data$Condition)
> print("Frequency of Condition:")
[1] "Frequency of Condition:"
> print(cond_table)

Like New       New      Used
     836       809       855
>
> brand_fuel_table <- table(car_data$Brand, car_data$Fuel.Type)
> print("Brand vs Fuel Type:")
[1] "Brand vs Fuel Type:"
> print(brand_fuel_table)

           Diesel Electric Hybrid Petrol
  Audi         97       94     81     96
  BMW          92       91     86     89
  Ford         85       85     86     91
  Honda       103       75     87     87
  Mercedes     83       82     80    108
  Tesla        88      100     85     75
  Toyota      107       87     96     84
>
> trans_cond_table <- table(car_data$Transmission, car_data$Condition)
> print("Transmission vs Condition:")
[1] "Transmission vs Condition:"
> print(trans_cond_table)
```



```
> trans_cond_table <- table(car_data$Transmission, car_data$Condition)
> print("Transmission vs Condition:")
[1] "Transmission vs Condition:"
> print(trans_cond_table)

             Like New New Used
  Automatic       394 386  412
  Manual          442 423  443
>
> brand_fuel_prop <- prop.table(brand_fuel_table)
> print("Proportion - Brand vs Fuel Type:")
[1] "Proportion - Brand vs Fuel Type:"
> print(round(brand_fuel_prop, 2))

           Diesel Electric Hybrid Petrol
  Audi       0.04     0.04   0.03   0.04
  BMW        0.04     0.04   0.03   0.04
  Ford       0.03     0.03   0.03   0.04
  Honda      0.04     0.03   0.03   0.03
  Mercedes   0.03     0.03   0.03   0.04
  Tesla      0.04     0.04   0.03   0.03
  Toyota     0.04     0.03   0.04   0.03
>
> trans_cond_prop <- prop.table(trans_cond_table)
> print("Proportion - Transmission vs Condition:")
[1] "Proportion - Transmission vs Condition:"
> print(round(trans_cond_prop, 2))

             Like New  New Used
  Automatic      0.16 0.15 0.16
  Manual         0.18 0.17 0.18
>
```

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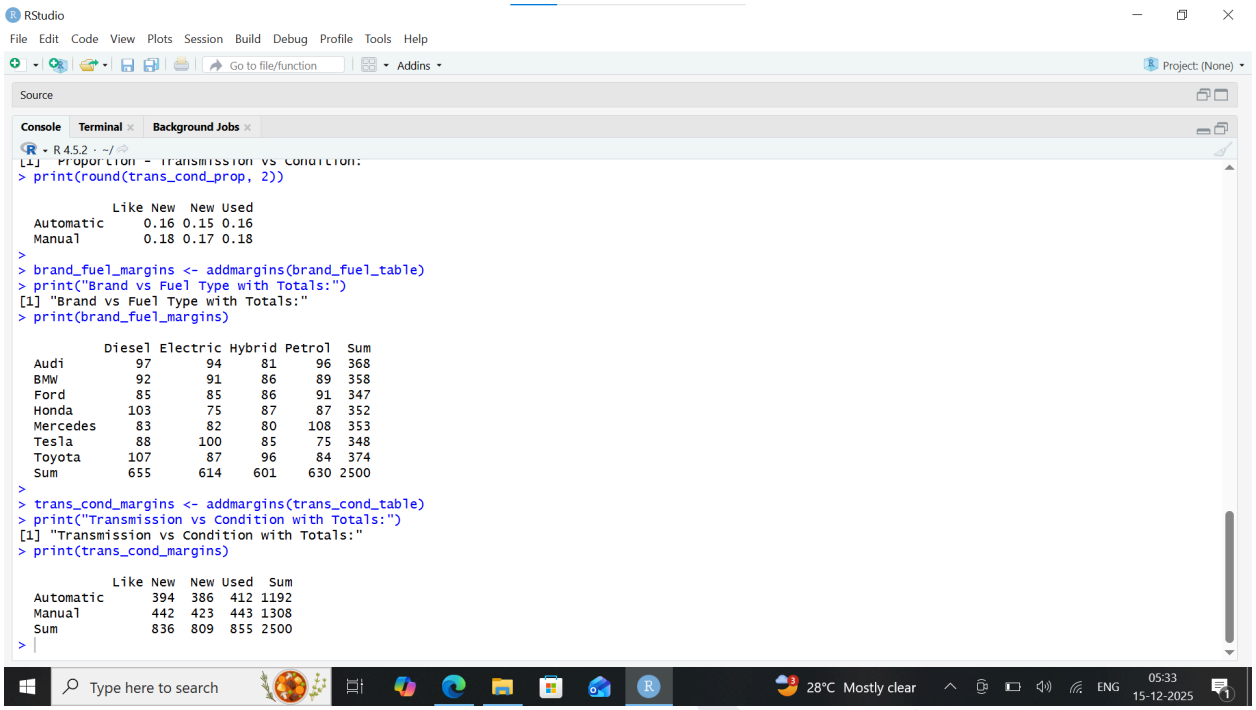

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