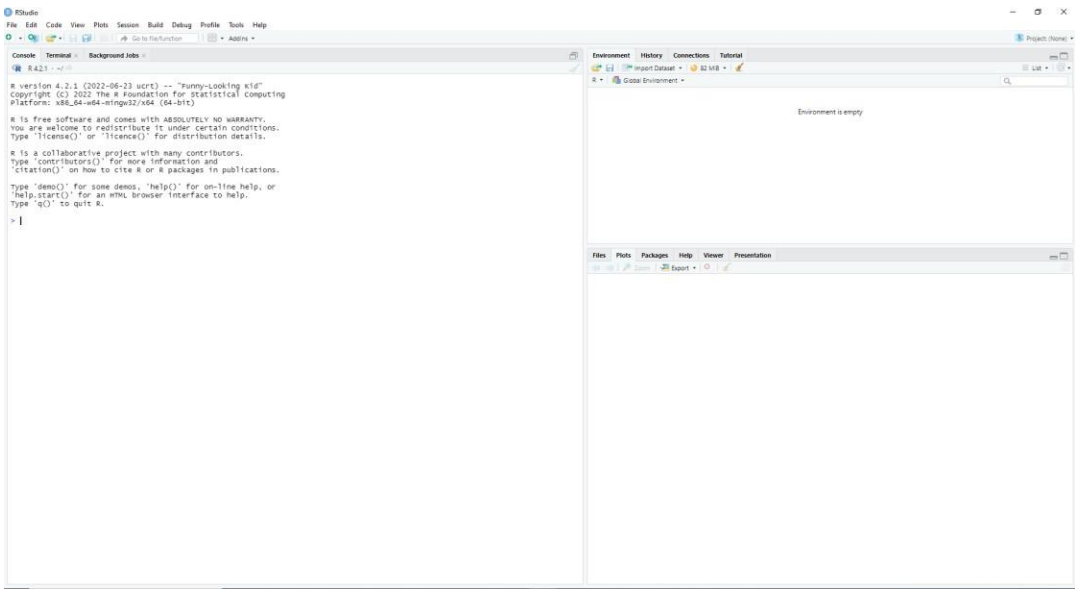
Hands-on Exercise No. 4 Solution **DigiSkills 2.0 Batch-08** **Data Analytics & Business Intelligence**	**Total Marks: 10** **Due Date: 19/09/2024**

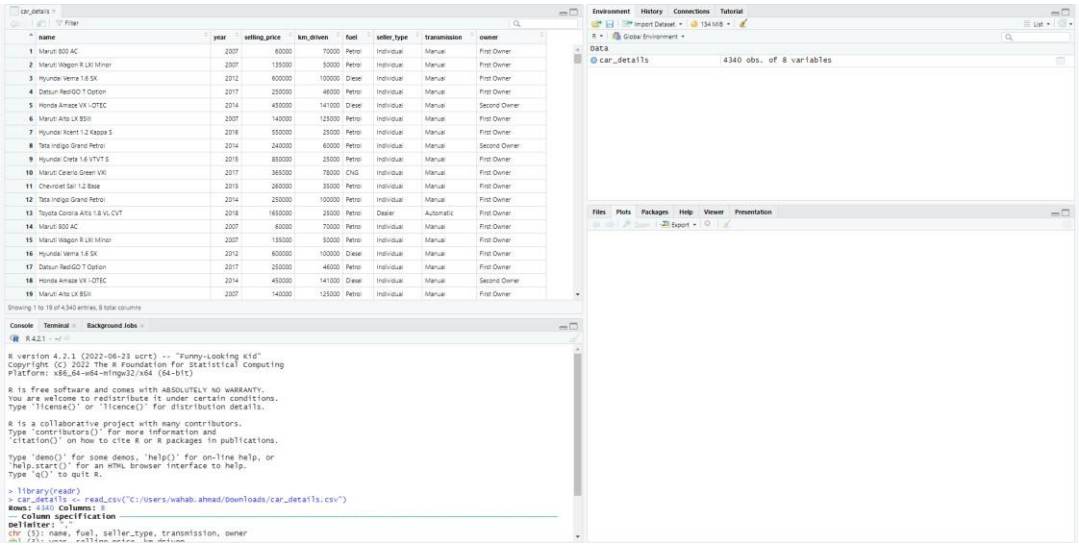
SOLUTION:

Tasks:

1) Download and Install free R Studio version from the following link. (1 Mark)
https://www.rstudio.com/products/rstudio/download/



2) Download the dataset from the following link and load the dataset in R Studio. (2 Mark)
https://www.kaggle.com/datasets/akshaydattatraykhare/car-details-dataset



3) Use the following R commands for car details dataset. (3 Mark)

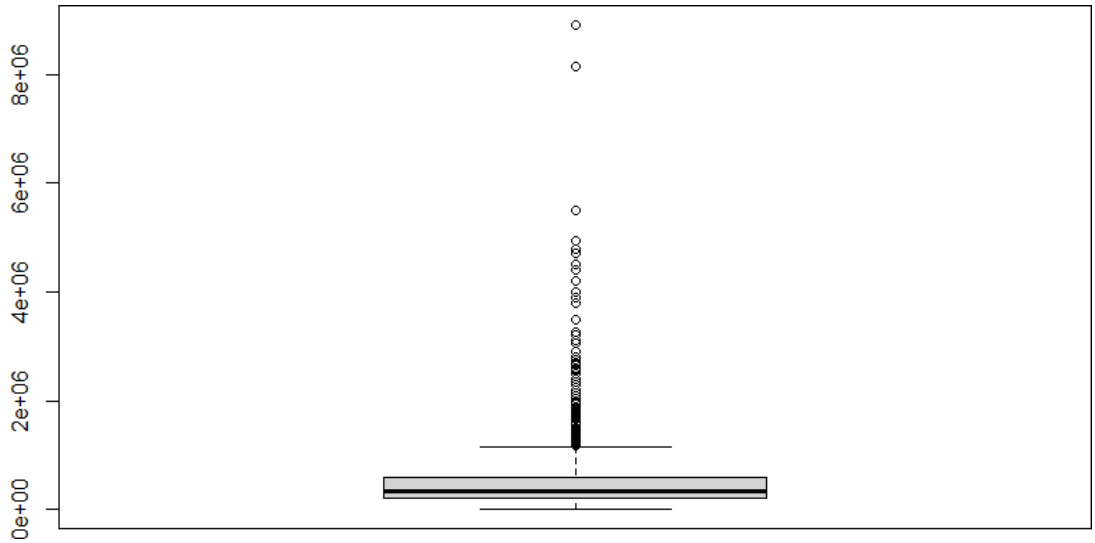
head(dataset_variable)	tail(dataset_variable)	names(dataset_variable)

```
> head(car_details)
# A tibble: 6 × 8
  name                  year selling_price km_driven fuel   seller_type transmission owner
  <chr>                <dbl>         <dbl>     <dbl> <chr>  <chr>       <chr>        <chr>
1 Maruti 800 AC         2007         60000     70000 Petrol Individual  Manual       First Owner
2 Maruti Wagon R LXI Minor 2007     135000     50000 Petrol Individual  Manual       First Owner
3 Hyundai Verna 1.6 SX  2012        600000    100000 Diesel Individual  Manual       First Owner
4 Datsun RediGO T Option 2017       250000     46000 Petrol Individual  Manual       First Owner
5 Honda Amaze VX i-DTEC 2014        450000    141000 Diesel Individual  Manual       Second Owner
6 Maruti Alto LX BSIII  2007        140000    125000 Petrol Individual  Manual       First Owner
>
```

```
> tail(car_details)
# A tibble: 6 × 8
  name                                  year selling_price km_driven fuel   seller_type transmission owner
  <chr>                                <dbl>         <dbl>     <dbl> <chr>  <chr>       <chr>        <chr>
1 Toyota Innova 2.5 VX (Diesel) 8 Seater BS IV  2012        600000    170000 Diesel Individual  Manual       First Owner
2 Hyundai i20 Magna 1.4 CRDi (Diesel)           2014        409999     80000 Diesel Individual  Manual       Second Owner
3 Hyundai i20 Magna 1.4 CRDi                    2014        409999     80000 Diesel Individual  Manual       Second Owner
4 Maruti 800 AC BSIII                           2009        110000     83000 Petrol Individual  Manual       Second Owner
5 Hyundai Creta 1.6 CRDi SX Option              2016        865000     90000 Diesel Individual  Manual       First Owner
6 Renault KWID RXT                              2016        225000     40000 Petrol Individual  Manual       First Owner
>
```

```
> names(car_details)
[1] "name"          "year"          "selling_price" "km_driven"     "fuel"          "seller_type"   "transmission"
[8] "owner"
>
```

4) Create boxplot using boxplot(column_name) command for selling_price column. (2 Mark)



5) Create histogram using hist(column_name) command for km_driven column. (2 Mark)