Question

Car's Prediction - Distance Prediction using speed

```
> predicted_distance
        1          2          6         16         18         20         22         23
-14.95415  -14.95415   10.41329   30.70724   30.70724   35.78073   35.78073   35.78073
       34         35         38         39         44         46         47
 56.07468   56.07468   61.14817   66.22166   76.36864   86.51561   86.51561
```

Iris Prediction - Petal Length Prediction using Petal.Width

```
> Predicted_Petallength
        1          2          6         16         18         20         22         23         34         35
       38         39         44         46         47
 1.453191   1.453191   1.569246   1.569246   1.511219   1.511219   1.569246   1.453191   1.453191   1.453191
 1.395164   1.453191   1.685300   1.511219   1.453191
       51         52         53         54         55         56         57         58         59         60
       61         62         63         64         65
 2.149516   2.207544   2.207544   2.091489   2.207544   2.091489   2.265571   1.917408   2.091489   2.149516
 1.917408   2.207544   1.917408   2.149516   2.091489
       66         67         68         69         70         71         72         73         74         75
       76         77         78         79         80
 2.149516   2.207544   1.917408   2.207544   1.975435   2.381625   2.091489   2.207544   2.033462   2.091489
 2.149516   2.149516   2.323598   2.207544   1.917408
       81         82         83         84         85         86         87         88         89         90
       91         92         93         94         95
 1.975435   1.917408   2.033462   2.265571   2.207544   2.265571   2.207544   2.091489   2.091489   2.091489
 2.033462   2.149516   2.033462   1.917408   2.091489
       96         97         98         99        100        101        102        103        104        105
      106        107        108        109        110
 2.033462   2.091489   2.091489   1.975435   2.091489   2.787814   2.439652   2.555706   2.381625   2.613733
 2.555706   2.323598   2.381625   2.381625   2.787814
      111        112        113        114        115        116        117        118        119        120
      121        122        123        124        125
 2.497679   2.439652   2.555706   2.497679   2.729787   2.671760   2.381625   2.613733   2.671760   2.207544
 2.671760   2.497679   2.497679   2.381625   2.555706
      126        127        128        129        130        131        132        133        134        135
      136        137        138        139        140
 2.381625   2.381625   2.381625   2.555706   2.265571   2.439652   2.497679   2.613733   2.207544   2.149516
 2.671760   2.729787   2.381625   2.381625   2.555706
      141        142        143        144        145        146        147        148        149        150

 2.729787   2.671760   2.439652   2.671760   2.787814   2.671760   2.439652   2.497679   2.671760   2.381625
```

Errors encounter and Changes given

Error 1 - Quotes is missing
Incorrect Code - install.packages(readr)
Changed Code - install.packages("reader")

Error 2 - Quotes is missing
Incorrect Code - IrisDataset <- read.csv(iris.csv)
Changed Code - IrisDataset<- read.csv("/Users/ajayvembu/Downloads/R Tutorial Data Sets/iris.csv")

Error 3 - Incorrect Spelling
Incorrect Code - summary(risDataset)
Changed Code - summary(IrisDataset)

Error 4 - Incorrect Spelling
Incorrect Code - str(IrisDatasets)
Changed Code - str(Iris Dataset)

Error 5 - Species is a Character Data type, we cannot use character datatype in histogram
Incorrect Code - hist(IrisDataset$Species)
Changed Code - hist (IrisDatasetPetal.length) and remaining columns

Error 6 - Bracket is missing
Incorrect Code - plot(IrisDataset$Sepal.Length
Changed Code - plot(IrisDataset$Sepal.Length)

Error 7 - Column name is missing
Incorrect Code - qqnorm(IrisDataset)
Changed Code - qqnorm(IrisDataset$Sepal.Width)

Error 8 - Cannot convert Character data type
Incorrect Code - IrisDataset$Species<- as.numeric(IrisDataset$Species)
Changed Code - IrisDataset$Petal.length<- as.float(IrisDataset$Petal.length)

Error 9 - Incorrect training size
Incorrect Code - trainSize <- round(nrow(IrisDataset) * 0.2)
Changed Code - trainSize <- round(nrow(IrisDataset) * 0.7)

Error 9 - Incorrect Spelling
Incorrect Code - trainSizes
Changed Code - trainSize

Error 10 - Training indices were missing
Correct Code - training_indices<-sample(seq_len(nrow(IrisDataset)),size =trainSize)

Error 11 - Incorrect input/output
Incorrect Code - LinearModel<- lm(trainSet$Petal.Width ~ testingSet$Petal.Length)
Changed Code - Predicting_Petallength<-lm(Petal.Length~ Petal.Width, trainSet)

Error 12 - Comma is missing
Incorrect Code - prediction<-predict(LinearModeltestSet)
Changed Code - Predicted_Petallength <- predict(Predicting_Petallength,testSet)

Error 13 - Incorrect Spelling
Incorrect Code - predictions
Changed Code - prediction