```
########################
# Set Working Directory #
########################

# Get your current working directory #

setwd("/Users/huangweiting/coding/INTRODUCTION TO SCIENTIFIC COMPUTING SOFTWARE
/C6_ClassData/HW")
getwd()

data1<-read.csv("C6_HW1.csv")
data2<-read.csv("C6_HW2.csv")
str(data1)   #Check the variable format
View(data1)             #Check Dataset
str(data2)   #Check the variable format
View(data2)             #Check Dataset
#dim(data1)             #Check Dataset (how many observations and variables)

#Q1
aov1 <- aov(Yield~ factor(Brand_ID), data=data1) #factor() for categorical variable
summary(aov1)#Check p-value

#Q2
aov2 <- aov(Speed~ factor(Train_ID), data=data2) #factor() for categorical variable
summary(aov2)#Check p-value

#Test for Homogeneity of Variance
#install.packages("car")
library(car)
leveneTest(data2$Speed, data2$Train_ID, center=mean)

##Variation equal-ANOVA post-hoc test##
install.packages("DescTools")
library(DescTools)
PostHocTest(aov2, method = "duncan")
```