1. Perform the following operations using only the *dplyr* library.
   ```
   install.packages("dplyr")
   library(dplyr)
   ```

2. We will use the mtcars dataframe for this exercise!
   ```
   df<-mtcars
   df
   ```

3. Return rows of cars that have an mpg value greater than 20 and 6 cylinders.
   ```
   a<-(filter(df, mpg > 20 , cyl==6))
   a
   ```

4. Reorder the Data Frame by cyl first, then by descending wt.
   ```
   df  %>% arrange(cyl) %>% arrange(desc(wt))
   ```

5. Select the columns mpg and hp
   ```
   select(df,mpg, hp)
   ```

6. Select the distinct values of the gear column.
   ```
   distinct(select(df, gear))
   ```

7. Create a new column called "Performance" which is calculated by hp divided by wt.
   ```
   Performance <- mutate(df, Performance =hp/wt)
   Performance
   ```

8. Find the mean mpg value using dplyr.
   ```
   Amean <- mean(df$mpg)
   ```

9. Use pipe operators to get the mean hp value for cars with 6 cylinders.
   ```
   mtcars %>% filter(cyl==6) %>% summarize(avg_hp = mean(hp))
   ```