1:

```
plot<-ggplot(mtcars,aes(disp,mpg))+geom_point()+labs(x="displacement",y="miles per gallon",title="MPG vs DISPLACEMENT")
```

2:

```
ggsave("scatter.png",plot=plot)
```

3:

```
students <- read.csv("students.csv")
average_marks <- mean(students$marks, na.rm = TRUE)
print(average_marks)
```

4:

```
students$grade <- ifelse(students$marks >= 80, "A",
                         ifelse(students$marks >= 60, "B", "C"))
```

5:

```
write.csv(students, "students_updated.csv", row.names = FALSE)
```

6:

```
random_numbers <- sample(1:100, 10, replace = TRUE)
print(random_numbers)
```

7:

```
set.seed(123)
same_random_numbers <- sample(1:100, 10, replace = TRUE)
print(same_random_numbers)
```

8:

```
v <- c(1, 2, NA, 4)
 mean_value <- mean(v, na.rm = TRUE)
 print(mean_value)
```

9:

```
first <- c("Sara", "Liu")
 last <- c("Khan", "Wei")
 full_names <- paste(first, last)
 Print(full_names)
10:
execution_time <- system.time(sum(1:1e6))
print(execution_time)
```