Programming in Java - Assignment 1

Let's write a program for a car agency called Vroom. First, we have to see if the customer would like to buy or rent a car. If the user wants to buy a car, the agency has three different cars to offer. A Toyota, a Ford, and a Ferrari. The user can choose the car he/she wants and the program will end. If the user wants to rent a car, he/she has to enter the number of days he/she needs the car and the totalRent will be calculated based on the following formula:

```
totalRent = 3.5 * (number of days)^2 / 2
```

If the number of days is less than or equal to zero, it should prompt a message that the number is not accepted. You should <u>at least</u> use one **if** or **if/else** statement and one **Switch** statement. For the power, you should use the *pow()* function from the Math library. For the power, you should use the *pow()* function from the Math library.

See the following images:

```
*** Welcome to Vroom! ***
Buy or rent a car? Enter B for buying, R for renting.
So you're here to Buy!
We have three different cars available:
1- Toyota, 12K
2- Ford, 25K
3- Ferrari, 100K
Which one do you want?
You got the Ford!
Bye !!
*** Welcome to Vroom! ***
Buy or rent a car? Enter B for buying, R for renting.
So you're here to Buy!
We have three different cars available:
1- Toyota, 12K
2- Ford, 25K
3- Ferrari, 100K
Which one do you want?
Oops! We don't have that option!
Bye !!
```

```
*** Welcome to Vroom! ***
Buy or rent a car? Enter B for buying, R for renting.
So you're here to Rent!
For how many days do you need a car?
Total rent is: C$43.75
Bye !!
*** Welcome to Vroom! ***
Buy or rent a car? Enter B for buying, R for renting.
So you're here to Rent!
For how many days do you need a car?
Number of days can't be zero or negative
Bye !!
*** Welcome to Vroom! ***
Buy or rent a car? Enter B for buying, R for renting.
You didn't enter B or R and we don't offer any other services!
Bye !!
```