

Sumedh ahire  
FYMCA-B 03  
BATCH 1  
ASSIGNMENT 9

CODE:

```
class UserInputException extends Exception {
    public UserInputException(String message) {
        super(message);
    }
}

public class ValidateUserInput {

    public static final String[] VALID_CITIES = {"Pune", "Mumbai", "Bangalore",
"Chennai"};

    public static void validateUserInput(int age, double income, String city, String
vehicle) throws UserInputException {
        if (age < 18 || age > 55) {
            throw new UserInputException("Age should be between 18 and 55 years");
        }
        if (income < 50000 || income > 100000) {
            throw new UserInputException("Income should be between Rs.50,000 - Rs.
1,00,000 per month");
        }
        if (!isValidCity(city)) {
            throw new UserInputException("City should be Pune/ Mumbai/ Bangalore /
Chennai");
        }
        if (!vehicle.equalsIgnoreCase("4-wheeler")) {
            throw new UserInputException("User should have a 4-wheeler");
        }
    }

    private static boolean isValidCity(String city) {
        for (String validCity : VALID_CITIES) {
            if (validCity.equalsIgnoreCase(city)) {
                return true;
            }
        }
        return false;
    }

    public static void main(String[] args) {
        try {
            validateUserInput(25, 75000, "Pune", "4-wheeler");
            System.out.println("User details are valid");
        } catch (UserInputException e) {
            System.out.println("Error: " + e.getMessage());
        }
    }
}
```

OUTPUT:

```
Error: Age should be between 18 and 55 years
```