# JavaScript – Objects

## Practice Problems

**Answer the following questions and run the code in Codepen.**

Q1. We have an **object** of customers for our food delivery app with the information about their past orders with order values.

Write a JavaScript program to give a "**Premium Membership**" to the customer if the customer has made at least **5 orders** of the minimum value of **20**.

The customers and their past order history is given below:

```
customers_data={
        'Ben10': [22, 30, 11, 17, 15, 52, 27, 12],
        'Sameer': [5, 17, 30, 33, 40, 22, 26, 10, 11, 45],
        'Zeeshan': [22, 30, 11, 5, 17, 30, 6, 57]
}
```

Q2. Write a JavaScript program to list the properties of a JavaScript object.

**Sample Data**

**Input:**

**Object:**
```
student = {
    name: "David Rayy",
    sclass: "VI",
    rollno: 12
};
```

**Output:**

```
["name", "sclass", "rollno"]
```

Q3. Write a JavaScript program to delete the **rollno** property from the following object. Also **print** the object **before** or after **deleting** the property

**Sample Data**

**Input:**

```
student = {
    name : "David Rayy",
    sclass : "VI",
    rollno : 12
}
```

**Output:**

```
student  = {
    name : "David Rayy",
    sclass : "VI"
}
```

Q4. Write a JavaScript program to get the length of a JavaScript object.

**Sample Data**

**Input:**

```
student = {
    name : "David Rayy",
    sclass : "VI",
    rollno : 12
}
```

**Output:**

```
3
```

Q5. Write a JavaScript program to display the **reading status** (i.e. display book name, author name and reading status) of the following books.

**Sample Data**

**Input:**

```
library = [
{
author: 'Bill Gates',
title: 'The Road Ahead',
readingStatus: true
},
{
author: 'Steve Jobs',
title: 'Walter Isaacson',
readingStatus: true
},
{
author: 'Suzanne Collins',
title: 'Mockingjay: The Final Book of The Hunger Games',
readingStatus: false
}];
```

**Output:**

For book with reading status '**true**' we can print :

```
'You have already read {book-name} by {author-name}.'
```

For book with reading status '**false**' we can print:

```
'You still need to read {book-name} by {author-name}.'
```

**Codepen URL:** [https://codepen.io/qaifikhan/pen/qvmGwp](https://codepen.io/qaifikhan/pen/qvmGwp)

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## All the Best!