

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]  
}
```

See 15. exercise 1.js

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"]
```

See 15. exercise 2.js

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"  
}
```

See 15. exercise 2.js

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
```

See 15. exercise 2.js

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}.'

See 15. exercise 3.js

Codepen URL: <https://codepen.io/qaifikhan/pen/qvmGwp>

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All the Best!