

# **Introduction to Object Oriented ECMAScript 6&JavaScript Lab Book**

## Document Revision History

Date	Revision No.	Author	Summary of Changes
March 2016	1.2	Rahul Vikash	Created new lab book as per revised course contents

## Table of Contents

<i>Getting Started</i> .....	4
<b>Overview</b> .....	4
<i>Setup Checklist for Introduction to Object Oriented</i> .....	4
<b>Instructions</b> .....	4
<b>Learning More</b> .....	Error! Bookmark not defined.
<i>Lab 1. Object Oriented JavaScript</i> .....	<b>Error! Bookmark not defined.</b>
<i>Lab 2. Prototypal</i> .....	<b>Error! Bookmark not defined.</b>
<i>Lab 3. JSON</i> .....	<b>Error! Bookmark not defined.</b>
<i>Lab 4. EcmaScript6</i> .....	<b>Error! Bookmark not defined.</b>
 <i>Appendices</i> .....	 11
Appendix A: Table of Figures .....	11

## Getting Started

### Overview

This lab book is a guided tour for learning Introduction to Object Oriented version and above. It comprises 'To Do' assignments. Follow the steps provided to work out the 'To Do' assignments given.

### Setup Checklist for Object Oriented JavaScript

Here's what is expected on your machine for the lab in order to work.

#### **Minimum System Requirements**

- Intel Pentium 90 or higher (P166 recommended)
- Microsoft Windows XP, Windows 7 or Windows 8
- Memory: 2GB of RAM (1GB or more recommended)
- Google Chrome 36.0 or Mozilla Firefox 31.0 or Internet Explorer 10 or above

#### **Please ensure that the following is done:**

- A text editor like Notepad or Notepad++ or Eclipse Luna is installed.

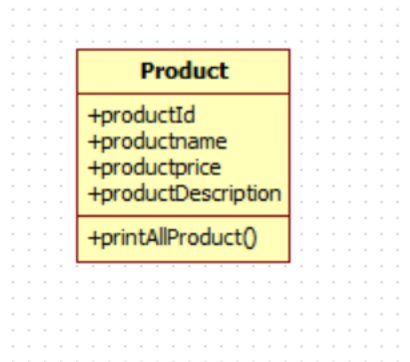
### Instructions

- Create a directory by your name in drive <drive>. In this directory, create a subdirectory JavaScript. For each lab exercise create a directory as lab <lab number>.

## Lab 1. Object Oriented JavaScript

<b>Goals</b>	▪ Working on Object Oriented JavaScript-work on Objects & function
<b>Time</b>	20 minutes

1. Create function Product ,as shown in below diagram

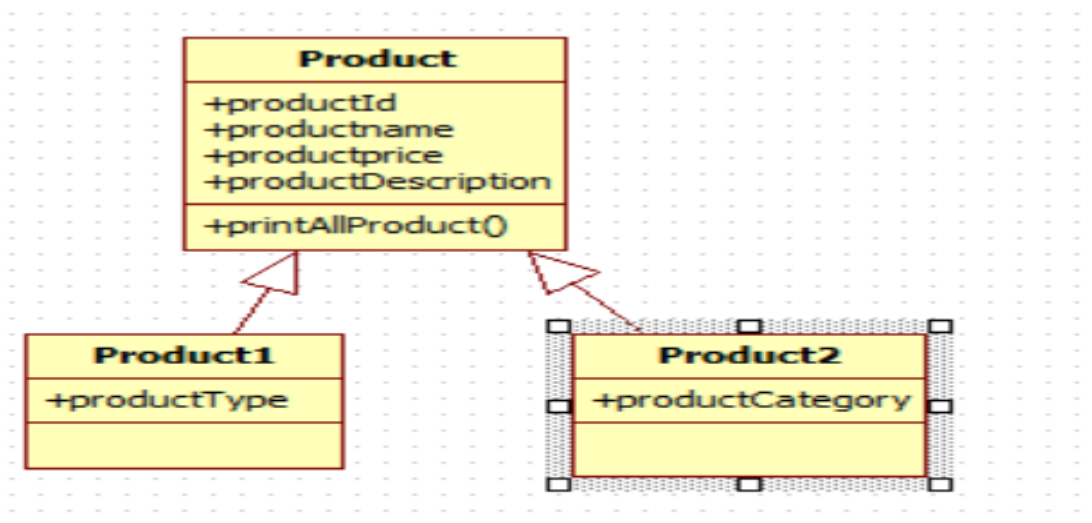


- a. Take data from user & put in the product .
- b. Take number of product data by using console & print all data on console

## Lab 2. Prototypal

<b>Goals</b>	<ul style="list-style-type: none"><li>▪ Working on _proto,Prototype</li></ul>
<b>Time</b>	20 minutes

2.1 Extend lab assignment one & as per below mentioned diagram

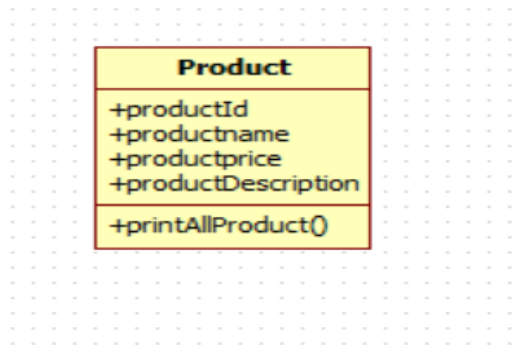


Take data from console & Print all detail of Product 1 & Product 2 such as id, name, price, description .Also type & category for both product

### Lab 3: JSON

<b>Goals</b>	▪ Working on JSON
<b>Time</b>	40 minutes

2. Create function Product ,as shown in below diagram

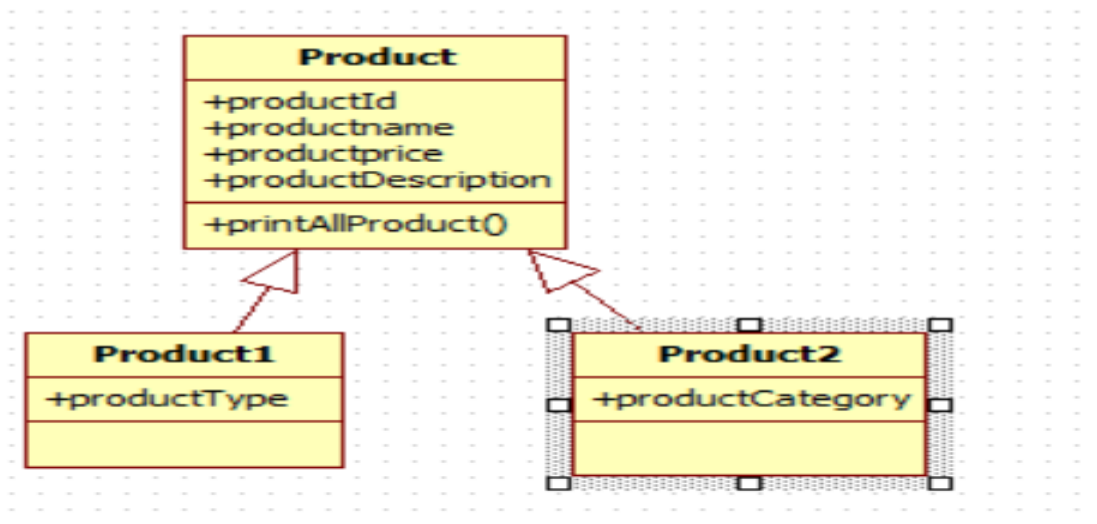


- Serializes a JavaScript value to JSON text.
- De-serializes JSON text to produce a JavaScript value

**Lab 4: EcmaScript6**

<b>Goals</b>	<ul style="list-style-type: none"><li>Working on JavaScript ECMAScript 6</li></ul>
<b>Time</b>	60 minutes

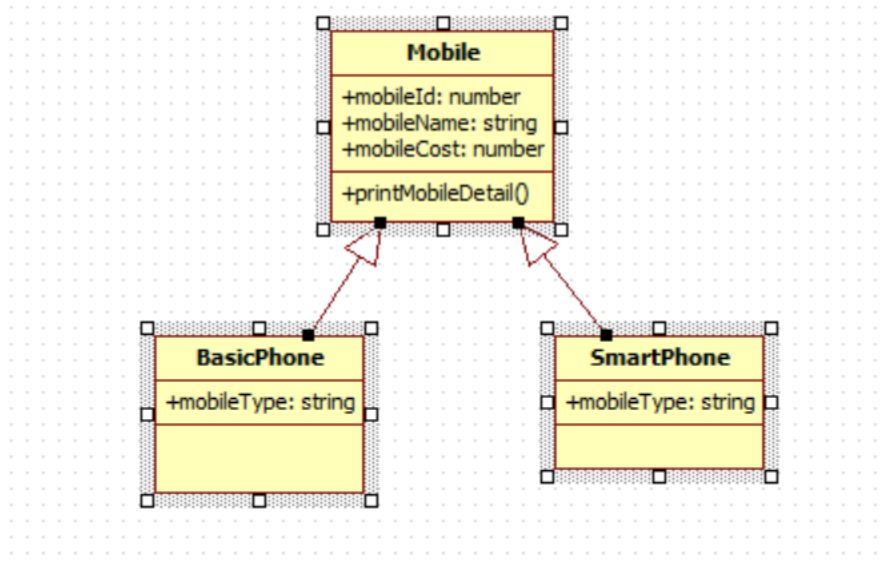
4.1 Extend lab assignment 2.1 do it by using ECMAScript 6



Take data from console & Print all detail of Product 1 & Product 2 such as id, name, price, description .Also type & category for both product



#### 4.2 Create class using concept of EMCAScript6 as per below mentioned diagram



All 3 classes are in separate file. We have to add mobile details such as id, name, cost & type from different typescript file & print data in console

- Get Data from array

Appendix A: Table of Figures

Figure 1.....	<b>Error! Bookmark not defined.</b>
Figure 2.....	<b>Error! Bookmark not defined.</b>
Figure 3.....	<b>Error! Bookmark not defined.</b>
Figure 4.....	<b>Error! Bookmark not defined.</b>
Figure 5.....	<b>Error! Bookmark not defined.</b>
Figure 6.....	<b>Error! Bookmark not defined.</b>
Figure 7.....	<b>Error! Bookmark not defined.</b>
Figure 8.....	<b>Error! Bookmark not defined.</b>
Figure 9.....	<b>Error! Bookmark not defined.</b>
Figure 10.....	<b>Error! Bookmark not defined.</b>
Figure 11.....	<b>Error! Bookmark not defined.</b>