Introduction to Object Oriented ECMAScript 6&JavaScript Lab Book

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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

| **2** / 10

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Table of Contents

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:

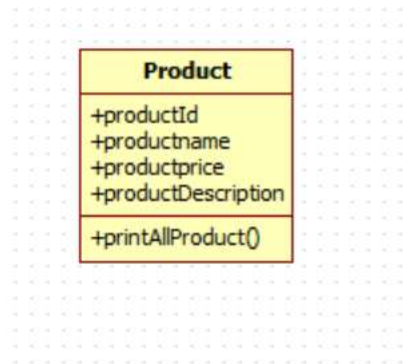- A text editor like Notepad or Notepad++ or Eclipse Luna is installed.

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

| Goals	▪ Working on Object Oriented JavaScript-work on Objects & function
Time	20 minutes

1. Create function Product ,as shown in below diagram

```
                Product

        +productId
        +productname
        +productprice
        +productDescription

        +printAllProduct()
```

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

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Lab 2. Prototypal

Goals	▪ Working on _proto,Prototype
Time	20 minutes

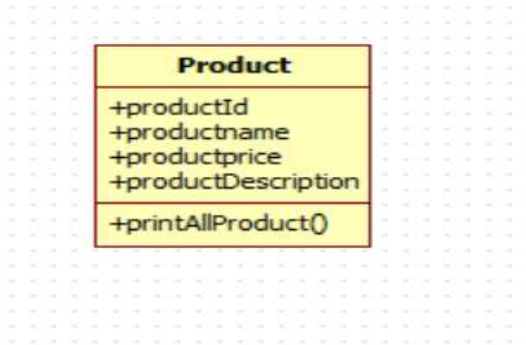2.1 Extend lab assignment one & as per below mentioned diagram
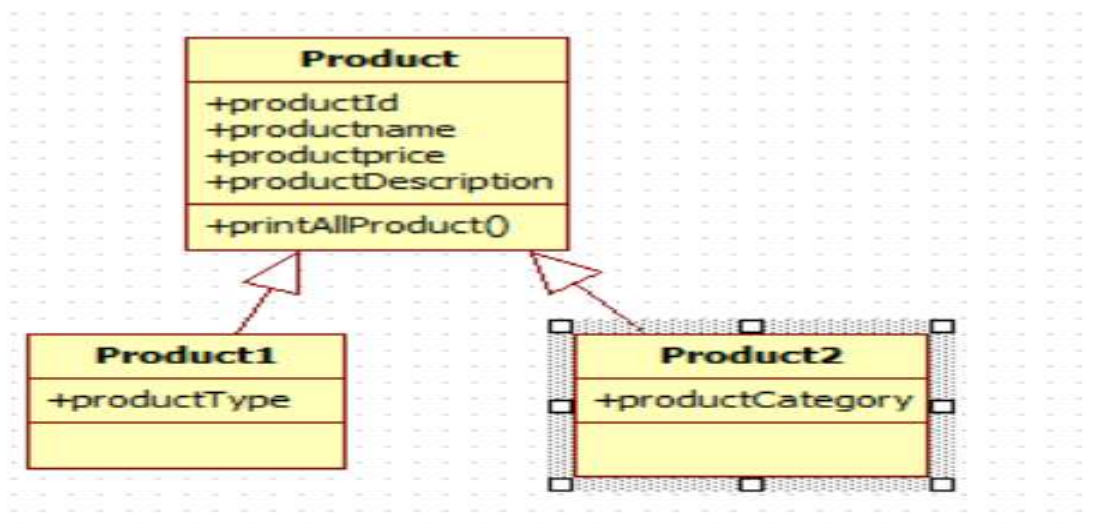
Take data from console & Print all detail of Product 1 & Product 2 such as id, name, price, description .Also type & category for both product

Lab 3: JSON

Goals	▪ Working on JSON
Time	40 minutes

2.   Create function Product ,as shown in below diagram

```
        Product
  +productId
  +productname
  +productprice
  +productDescription

  +printAllProduct()
```

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

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Lab 4: EcmaScript6

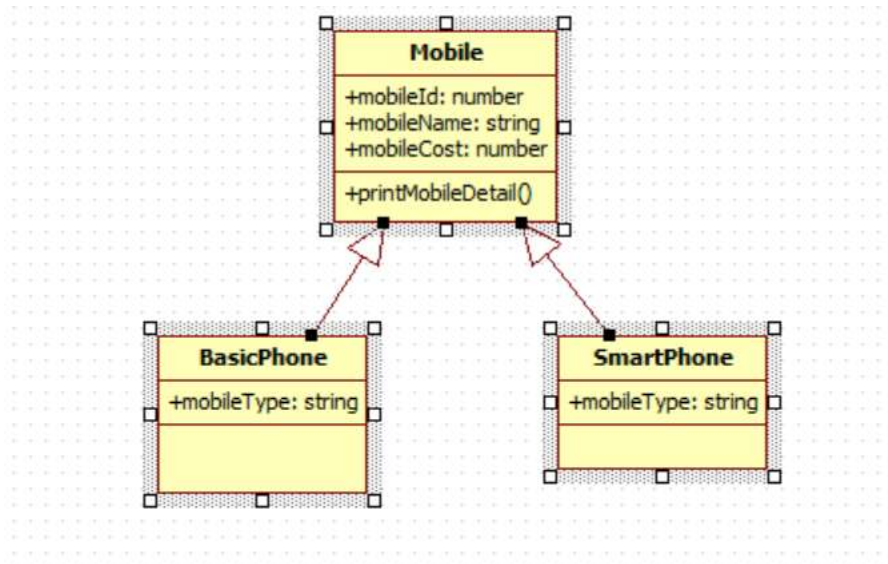| Goals	▪ Working on JavaScript ECMAScript 6
Time	60 minutes

4.1 Extend lab assignment 2.1 do it by using ECMAScript 6
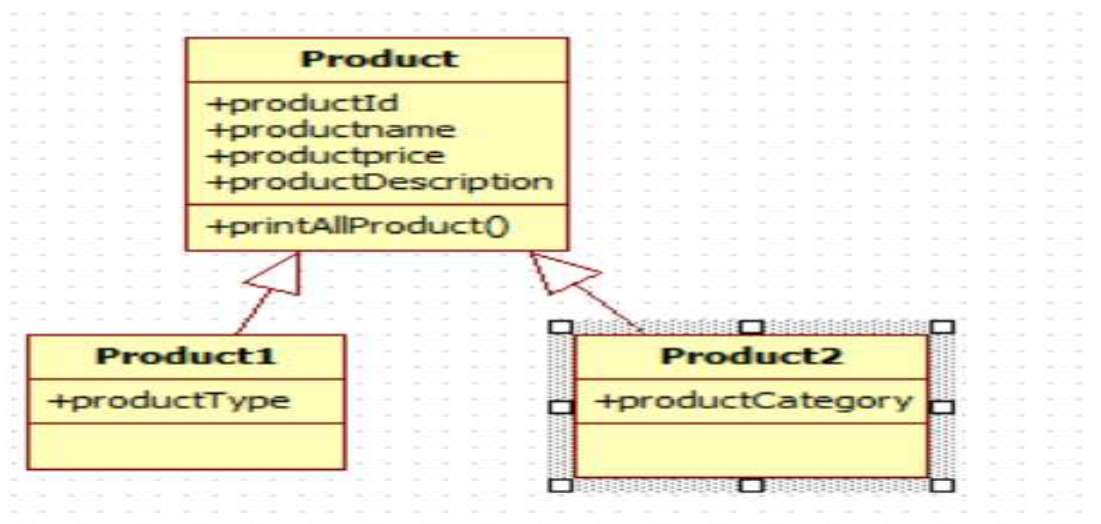
Take data from console & Print all detail of Product 1 & Product 2 such as id, name, price, description .Also type & category for both product

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
a.   Get Data from array

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Appendix A: Table of Figures