**School of Digital Media & Infocomm Technology (DMIT)**

**ST2111 Mobile Application Development I**

**Practical 9**

**JavaScript Objects**

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| Objectives:  After completing this lab, you should be able to:   * Write programs which uses objects |

**Exercise 1: Write Programs Using Objects**

1. Create a copy of the **practical1-1** in the same **MAD1** folder
2. Rename the copied folder as **practical9-1** folder
3. Write a JavaScript program to list the properties of a JavaScript object.

*Sample object* :

var student = {

name : "David Rayy",

sclass : "VI",

rollno : 12 };

*Sample Output* : name,sclass,rollno

**Exercise 2: Write Programs Using Objects**

1. Create a copy of the **practical1-1** in the same **MAD1** folder
2. Rename the copied folder as **practical9-2** folder
3. Write a JavaScript program to delete the rollno property of the JavaScript object below. Print the object before and after deleting the property.

*Sample object* :

var student = {

name : "David Rayy",

sclass : "VI",

rollno : 12 };

*Sample Output* : name,sclass

**Exercise 3: Create an Array of Objects**

1. Create a copy of the **practical1-1** in the same **MAD1** folder
2. Rename the copied folder as **practical9-3** folder
3. Create a JavaScript Program which prompts input of 5 student’s. Each student particulars should should contains 2 properties of name and admin into an object. Each object should be stored into an array called **studentArr.**
4. The program should print the contents of **studentArr**.

*Sample object* :

var student = {

name : "David Rayy",

adminno : "0123456",

};

**Exercise 4: Run Exercises in the Android Simulator**

You may run your exercises using the Phonegap Android Simulator to view the output. For example, if you wish to test out **practical9-1**, do the following:

1. From the [Start screen,](http://www.computerhope.com/jargon/w/windows8.htm) click **Command Prompt** to open the Windows console.
2. Navigate to **MAD1** folder. (Note: If your MAD1 folder is in **c: drive**, type **cd\** to bring you to the root directory first, then type **cd mad1** to go to MAD1 folder. If your MAD1 folder is in **d: drive**, type **d:** to change to d: drive first, then type **cd mad1** to go to MAD1 folder.**)**
3. Create the new app by typing **phonegap create practical8-1app**and press enter.
4. Open a text editor and open the file located in **mad1\practical9-1app\www\index.html**.
5. Replace the text with the code in **Listing D** below.
6. Copy **script.js** from **practical9-1** to the **www** directory.
7. Type **phonegap run android**.
8. Your JavaScript program is run in the Android Simulator.

**Listing A. index.html**