**MODULE: 2 (Data Types and Objects)**

**1. Write the code, one line for each action:**

**a) Create an empty object user.**

**🡺let user = {};**

**b) Add the property name with the value John.**

**🡺user.name = "meet";**

**c) Add the property surname with the value Smith.**

**🡺user.surname = "panchal";**

**d) Change the value of the name to Pete.**

**🡺user.name = "meet";**

**e) Remove the property name from the object.**

**🡺delete user.name;**

**2.** **Is array copied? let fruits = ["Apples", "Pear", "Orange"]; // push a new value into the "copy" let shoppingCart = fruits; shoppingCart.push("Banana"); // what's in fruits? alert( fruits.length ); // ?**

**🡺No, the array is not copied. When you do shoppingCart = fruits, you are not creating a new array; instead, you are creating a reference to the same array in memory. Therefore, any changes made to shoppingCart will also affect the fruits array.**