

**Cross Platform Script Development**

**Week 2**

Information Technology Department

| **Name:** |  |
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| **Course:** | **BSIT** |
| **Year & Section:** |  |
| **Date:** | 08/20/2025 |
| **Topic:** | JavaScript Basics |
| **Activity:** | 1 |

| **Notes:**  JavaScript - is a programming language and core technology of the web platform, alongside HTML and CSS.  **JavaScript Variables can be declared in 4 ways:**  **Variable Example**  automatically X = 1  var var numberOfStudents = 9  let let isLoggedIn = true  const const language = “english”  **Objects:** Objects hold data in key-value pairs. They are useful for representing structured data.  let person = { name: "Adrian", age: 23, isStudent: true };  console.log(person.name); // Access property → Adrian  person.age = 24; // Modify property  let user = {  firstName: "Adrian",  greet: function() {  return "Hello, " + this.username; }  };  console.log(user.greet()); // Hello, Adrian |
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**Arrays** store multiple values in an ordered list:

| let fruits = ["apple", "banana", "mango"];  console.log(fruits[0]); // apple  fruits.push("orange"); // Add element  fruits.pop(); // Remove last element  console.log(fruits.length); // Count items  fruits.forEach(function(fruit) {  console.log(fruit); }); // prints all of the fruits  for (let fruit of fruits) {  console.log(fruit); } |
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**Functions** lets you reuse blocks of code

| // 1) Regular Function Declaration  function addProduct(name, price) {  return {  name: name,  price: price,  };  }  // 2) Arrow Function Declaration  const addProduct = (name, price) => {  return {  name: name,  price: price,  };  } |
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**Example**:

| //declaring an array  let products = { };  //Function to add a product (object) into array  const addProduct = (name, price) => {  return {  name: name,  price: price,  };  } |
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|  | // adding data  addProduct(“Saging”, 20);  addProduct(“Apple”, 10);  //adding data via prompt  let addMore = true;  while (addMore) {  let name = window.prompt("Enter the product name”);  let price = window.prompt("Enter price of " + name + ":"); // asked but not displayed addProduct(name, price);  addMore = window.confirm("Do you want to add another student?"); }  // Display all of the Products via console.log and html  const container = document.getByElementId(“container”);  products.forEach(product => {  //prints to console  console.log(“product name: ” + product.name + “price: “ + product.price);  //shows data on the html/document  const productName = document.createElement(“h1”);  const productPrice = document.createElement(“h1”);  container.appendChild(productName);  container.appendChild(productPrice);  }); |  |
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Activity: Student Information – Mini app – Prompt Version (50 pts)

Create a JavaScript mini app that manages student information using variables, objects, arrays, and functions.

Important: Input must use **window.prompt()** only. Output must be shown only inside the HTML element with id **container**.

Requirements:

1. On title of the app it would show **“Student Information App”**

2. On the footer or bottom of the app, it would display your full name inside an **h1** html tag that would inject into the **#container.**

Flow of the program:

• Would ask the user on how many students the want to add via **window.prompt.** • For each students, ask for their name, age, and course.

• Store each students as an object with the properties of **name, course**, and make a method to greet() each of the student.

• Push or add each students onto the object array.

• After all of the inputs are done, display all of the students list inside the **#container** in this format:

• Hi, **<name>,** from **<course>**

4. No styling or assets only, use plain JS and HTML tags only.

6. File name of the JavaScript must be **activity-1.js** only.

| Example on the index.html  <!DOCTYPE html>  <html lang="en">  <head>  <meta charset="UTF-8">  <meta name="viewport" content="width=device-width, initial-scale=1.0"> <title>Document</title>  </head>  <body>  <div id="**container**"></div>  <script src="activity-1.js"></script>  </body>  </html> |
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Submission of Activity

1. Upload to Google Classroom: submit only the activity\_1.js file only

2. Deadline would be on **August 23 @ exactly 11:59AM**

3. If you have questions regarding on this activity, just send a message at the google classroom.

Goodluck!