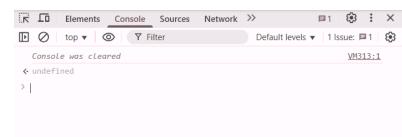
Lab 2: JavaScript Fundamentals

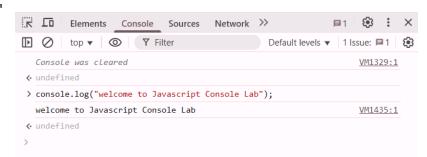
Task 1: Launching the Console

- 1. Open Chrome and press Ctrl+T (Windows) or Cmd+T (Mac) for a new tab.
- 2. Right-click → Inspect.
- 3. Go to the Console tab.
- Type the following command to clear the console: console.clear();



Task 2: Basic JavaScript

 Welcome message console.log(" Welcome to JavaScript Console Lab!")



2. Dynamic Variables



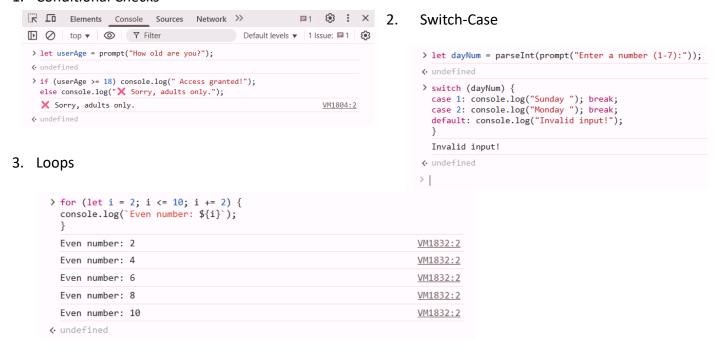
Arrow Functions Find circle Area: Functions Find circle Area

```
const circleArea = (radius) => Math.PI * radius ** 2;
undefined
console.log("Area of circle (r=5):", circleArea(5));
Area of circle (r=5): 78.53981633974483
undefined
```

Lab 2: JavaScript Fundamentals

Task 3: Logic & Control Flow

1. Conditional Checks



Task 4: Collections

1. Arrays

```
> let fruits = ["Apple", "Banana", "Orange"];

← undefined

> fruits.push("Grapes");
                                                  2. Maps
                                                   Elements Console Sources Network >>
                                                                                                       ■1 🕸 : X
> console.log("Second fruit:", fruits[1]);
                                                    Default levels ▼ 1 Issue: ■1 🚯
 Second fruit: Banana
                                                      let userSettings = new Map();
                                                     > userSettings.set("theme", "dark");
                                                     > console.log("Current theme:", userSettings.get("theme"));
                                                      Current theme: dark
                                                                                                           VM1872:1

← undefined
```