JavaScript Assignment Submission

Student Name: Philip Ekanem
Date: February 17, 2026

```
/************************************************************
QUESTION 1: BMI CALCULATOR
************************************************************/
function calculateBMI(weight, height) {
    const bmi = weight / (height * height);
    let category = "";

    if (bmi < 18.5) {
        category = "Underweight";
    } else if (bmi >= 18.5 && bmi <= 24.9) {
        category = "Normal weight";
    } else if (bmi >= 25 && bmi <= 29.9) {
        category = "Overweight";
    } else {
        category = "Obese";
    }

    return `Your BMI is ${bmi.toFixed(2)}. Category: ${category}`;
}

/************************************************************
QUESTION 2: CHECK SEASON
************************************************************/
function checkSeason(month) {
    month = month.toLowerCase();

    if (["september", "october", "november"].includes(month)) {
        return "Autumn";
    } else if (["december", "january", "february"].includes(month)) {
        return "Winter";
    } else if (["march", "april", "may"].includes(month)) {
        return "Spring";
    } else if (["june", "july", "august"].includes(month)) {
        return "Summer";
    } else {
        return "Invalid month";
    }
}

/************************************************************
QUESTION 3: FIND MAXIMUM
************************************************************/
function findMax(a, b, c) {
    return Math.max(a, b, c);
}

function findMaxWithoutMath(a, b, c) {
    let max = a;
    if (b > max) max = b;
    if (c > max) max = c;
    return max;
}

/************************************************************
QUESTION 4: PRINT ARRAY
************************************************************/
function printArray(arr) {
    for (let i = 0; i < arr.length; i++) {
        console.log(arr[i]);
```

```
    }
}

/************************************************************
QUESTION 5: SHOW DATE & TIME
Format: DD/MM/YYYY HH:MM
************************************************************/
function showDateTime() {
    const now = new Date();

    let day = String(now.getDate()).padStart(2, "0");
    let month = String(now.getMonth() + 1).padStart(2, "0");
    let year = now.getFullYear();

    let hours = String(now.getHours()).padStart(2, "0");
    let minutes = String(now.getMinutes()).padStart(2, "0");

    console.log(`${day}/${month}/${year} ${hours}:${minutes}`);
}
```