**Lab 8**

1. Based on the following output, you need to complete a function.

Text

Description automatically generated

Call Statements:

showBalanceSchedule("Louise", 5.25, 1.07,7);

showBalanceSchedule("Larry", 52.25, 0,6);

showBalanceSchedule("Mehri", 152.25, 1.15,6);

Hint:

Year1: balance=balance\*interestRate (5.25\*1.07=5.6175)

How to round a number to 2 decimal places in javascript.

roundedBalance = Math.round(balance\*100)/100;

function showBalanceSchedule(name, balance, interestRate) {

console.log(`Balance schedule for ${name}:`);

for (let year = 1; year <= 5; year++) {

balance = balance \* interestRate;

let roundedBalance = Math.round(balance \* 100) / 100;

console.log(`Year ${year}: $${roundedBalance}`);

}

}

showBalanceSchedule("Louise", 5.25, 1.07,7);

showBalanceSchedule("Larry", 52.25, 0,6);

showBalanceSchedule("Mehri", 152.25, 1.15,6);

1. Start with the following code:

function showMedicalStatus(firstName, age, highBloodPressure){

#code for this function goes here

}

showMedicalStatus("Bob", 60, true);

showMedicalStatus("Jane", 60, false);

showMedicalStatus("Brad", 28, true);

Add code to the function so a medical **alert** appears if both the user is aged 55 or over and they have high blood pressure. Show the **warning** message if the user has high blood pressure but they are less than 55 years of age. Show the **good health** message if the user does not have high blood pressure. The output should resemble the following content exactly.



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function showMedicalStatus(firstName, age, highBloodPressure) {

if (age >= 55 && highBloodPressure) {

console.log(`Medical Alert: ${firstName} see a doctor!`);

} else if (highBloodPressure) {

console.log(`Warning: ${firstName}, seeing a doctor is recommended.`);

} else {

console.log(`${firstName}, you are in good health. See you next checkup.`);

}

}

showMedicalStatus("Bob", 60, true);

showMedicalStatus("Jane", 60, false);

showMedicalStatus("Brad", 28, true);