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// Pseudocode
// Prompt user for input
let employeeName = prompt("Enter employee name:");
let hoursWorked = parseFloat(prompt("Enter hours worked:"));
let ratePerHour = parseFloat(prompt("Enter rate per hour:"));

// Calculate basic pay
let basicPay = hoursWorked * ratePerHour;
let tax = 0;

// Calculate tax based on basic pay
if (basicPay > 50000) {
    tax = 0.2 * basicPay;
} else if (basicPay >= 20000 && basicPay <= 50000) {
    tax = 0.1 * basicPay;
}

// Display results
console.log("Employee name: " + employeeName);
console.log("Basic Pay: $" + basicPay.toFixed(2));
console.log("Tax Amount: $" + tax.toFixed(2));

```

i) Calculate the basic pay (basic pay = hrs worked \times rate per hr)

Hourly Rate = $\$50,000 / 2,080 \text{ hrs} = \24.04 per hr
 Basic Pay = Hourly Rate \times number of Hours Worked

i) Basic Pay < 5000 : Tax Rate = 10%
 • $5000 \leq \text{Basic Pay} < 10000$: Tax Rate = 15%
 • Basic Pay ≥ 10000 : Tax Rate = 20%