TASK SET – 2 (Practice & Logic Building)

1 Number Range Check

- Take a number from the user.

- Check whether the number lies **between 10 and 50**.

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2 Small / Medium / Large

- Take a number.

- If number < 10 → `"Small"`

- 10–99 → `"Medium"`

- ≥ 100 → `"Large"`

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3 Username Validation

- Take username input.

- If username length is **less than 5**, show error.

- Else show `"Valid username"`.

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4 Divisible by 5 and 3

- Take a number.

- Check whether it is divisible by **both 3 and 5**.

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5 Simple Discount Logic

- Take total bill amount.

- If bill ≥ 1000 → apply **10% discount**

- Else → no discount

- Print final amount.

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6 Login Attempt Counter (Single Try)

- Take password input.

- If password is empty → `"Try again"`

- Else → `"Login successful"`

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7 Check Alphabet or Not

- Take a single character input.

- Check whether it is an **alphabet** or not.

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8 Temperature Status

- Take temperature value.

- If temp < 15 → `"Cold"`

- 15–30 → `"Normal"`

- 30 → `"Hot"`

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9 Voting + Gender Logic

- Take age and gender.

- If age ≥ 18 → `"Eligible"`

- Else → `"Not eligible"`

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10 Maximum Without Math Functions

- Take two numbers.

- Find the maximum **without using Math.max()**.

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11 Check Zero First

- Take a number.

- If number is zero → print `"Zero"`

- Else check positive or negative.

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12 Const Scope Task

- Declare a const variable outside a function.

- Declare another const inside a function.

- Print both values correctly.

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13 Multiple of 10

- Take a number.

- Check if the number is a multiple of 10.

🔢 Salary Bonus Logic

- Take salary input.

- If salary ≥ 50,000 → add 5% bonus

- Else → add 2% bonus

🔢 Truthy / Falsy Test Program

- Take any input.

- Print whether the input is truthy or falsy using `if-else`.