

# JS Tasks (Increasing Difficulty)

*All tasks use only what you have taught: conditions, loops, operators, datatype conversion, var/let/const, prompt, console, basic events.*

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## Level 1 — Easy

### 1) Even or Odd Checker

Ask the user to enter a number using `prompt()` and print whether the number is **even or odd** using `if-else`.

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### 2) Positive / Negative / Zero

Take a number from the user and print:

- "Positive"
- "Negative"
- "Zero"

Use an **else-if ladder**.

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### 3) Simple Calculator

Take **two numbers** and **one operator** (+ - \* / %) from the user and print the result.

Use **if-else-if**.

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## Level 2 — Medium

### 4) Biggest of Three Numbers

Take 3 numbers using prompt and print which one is largest.  
Use **nested if-else**.

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### 5) Print 5 to 15 using while loop

Use a **while loop** and print numbers **5 to 15** in the console.

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### 6) Counter: Ask user how many times to print

Take a number **n** from prompt  
→ Print "Hello JS" exactly **n** times using a loop.

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## Level 3 — Hard

### 7) Print all even numbers between two user inputs

Ask users for **start** and **end** values.  
Print all **even** numbers between the range.

Use loop + condition.

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### 8) Convert string to number (without parseInt)

Take a number as a string from prompt:  
Example: **"45"**

Convert it to number using **unary + operator** and print datatype before and after.

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## Level 4 — Advanced

### 9) Voting Eligibility with Nested Conditions

Take user age as input:

- If age < 0 → print "Invalid Age"

- If age  $\geq 18 \rightarrow$  print "You can vote"
- Else  $\rightarrow$  calculate **how many years left** and show message:  
"You can vote after X years"

Use nested conditions + arithmetic.

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## 10) Mini Authentication System

Ask user to enter:

- username
- password

Rules:

- If both match predefined values (example: `user="admin"`, `pass="1234"`), print  
"Login Successful"
- If username correct but password wrong  $\rightarrow$  "Incorrect Password"
- If username wrong  $\rightarrow$  "User not found"
- If both wrong  $\rightarrow$  "Invalid Login"

Use **if / else-if conditions**.