

Project 1 – Age & Access Check

```
const name = prompt("Enter your name:");
const age = Number(prompt("Enter your age:"));
const hasID = prompt("Do you have an ID? (yes/no)").toLowerCase();

if (age >= 18 && hasID === "yes") {
    alert(name + ", access granted.");
} else {
    alert(name + ", access denied.");
}
```

Project 2 – Basic Calculator

```
const num1 = Number(prompt("Enter first number:"));
const num2 = Number(prompt("Enter second number:"));
const operator = prompt("Choose operator (+, -, *, /)");

let result;

if (operator === "+") {
    result = num1 + num2;
} else if (operator === "-") {
    result = num1 - num2;
} else if (operator === "*") {
    result = num1 * num2;
} else if (operator === "/") {
    if (num2 === 0) {
        alert("Division by zero is not allowed.");
    } else {
        result = num1 / num2;
    }
} else {
    alert("Invalid operator.");
}

if (result !== undefined) {
    alert("Result: " + result);
}
```

Project 3 – Password Check

```
const password = prompt("Enter your password:");

const hasMinLength = password.length >= 8;
const hasNumber = !isNaN(Number(password.split("").find(char => !isNaN(char)))); 
const hasSpecialChar = /[!@#$%]/.test(password);

if (hasMinLength && hasNumber && hasSpecialChar) {
    alert("Password is secure.");
} else {
    alert("Password is not secure.");
}
```

Project 4 – Grade Calculator

```
const score = Number(prompt("Enter your score (0-100):"));

if (score < 0 || score > 100) {
    alert("Invalid score.");
} else if (score >= 90) {
    alert("Very good - excellent work!");
} else if (score >= 75) {
    alert("Good job!");
} else if (score >= 60) {
    alert("Passed.");
} else {
    alert("Failed. Keep trying!");
}
```

Project 5 – Guess the Number

```
const randomNumber = Math.floor(Math.random() * 10) + 1;
let attempts = 3;
let success = false;

while (attempts > 0) {
    const guess = Number(prompt("Guess a number between 1 and 10:"));
    attempts--;

    if (guess === randomNumber) {
        alert("Correct! You win!");
        success = true;
        break;
    } else if (guess > randomNumber) {
        alert("Too high!");
    } else {
        alert("Too low!");
    }
}

if (!success) {
    alert("Game Over. The number was " + randomNumber);
}
```

Projekt 6 – Daily Planner

```
const dayInput = prompt("Enter a weekday:");
const customPlan = prompt("Enter your own plan (optional):");

const day = dayInput?.toLowerCase();
const plan = customPlan ?? "";

let activity;

switch (day) {
  case "monday":
    activity = "Work";
    break;
  case "tuesday":
    activity = "Study";
    break;
  case "wednesday":
    activity = "Sports";
    break;
  case "thursday":
    activity = "Free time";
    break;
  case "friday":
    activity = "Meet friends";
    break;
  case "saturday":
  case "sunday":
    activity = "Relax";
    break;
  default:
    activity = "Invalid day";
}

alert(plan !== "" ? plan : activity);
```

Projekt 7 – User Profile

```
const user = {
  name: prompt("Enter your name:"),
  city: prompt("Enter your city:"),
  phone: prompt("Enter your phone number:")
};

const phoneInfo = user.phone ?? "no information";

alert(
  "Name: " + user?.name +
  "\nCity: " + user?.city +
  "\nPhone: " + phoneInfo
);
```

Projekt 8 – Drink Selector

```
const drinkInput = prompt("Choose a drink (water, coffee, tea):");
const sizeInput = prompt("Choose a size (small, medium, large):");

const drink = drinkInput?.toLowerCase();
const size = sizeInput?.toLowerCase();

let price;

switch (drink) {
  case "water":
    price = 1;
    break;
  case "coffee":
    price = 2;
    break;
  case "tea":
    price = 1.5;
    break;
  default:
    price = null;
}

switch (size) {
  case "small":
    price += 0;
    break;
  case "medium":
    price += 0.5;
    break;
  case "large":
    price += 1;
    break;
  default:
    price = price ?? 2;
}

alert("Total price: " + price);
```

Projekt 9 – Login Simulation

```
const inputUser = prompt("Username:");
const inputPass = prompt("Password:");

const username = inputUser ?? "";
const password = inputPass ?? "";

let status;

switch (true) {
  case username === "admin" && password === "1234":
    status = "Login successful";
    break;
  case username === "admin":
    status = "Wrong password";
    break;
  default:
    status = "Unknown user";
}

alert(status);
```

Projekt 10– Age Recommendation

```
const ageInput = prompt("Enter your age:");
const interestInput = prompt("Enter your interest (optional):");

const age = Number(ageInput);
const interest = interestInput ?? "general";

let recommendation;

switch (true) {
  case age < 18:
    recommendation = "Youth program";
    break;
  case age <= 65:
    recommendation = "Adult program";
    break;
  default:
    recommendation = "Senior program";
}

alert("Recommendation: " + recommendation + " (" + interest + ")");
```