Assignment 7

Q1	A travel booking website asks users to enter their age in a text field. Sometimes users type things like "twenty", "25 years", or "30". **Task:** • Write JavaScript code to validate the input using `parseInt()` or `isNaN()` so that only valid numbers are accepted. • If the input is invalid, display a message: "Please enter a valid number."	L2, L3
Q2	A company is building a feedback form where users submit their name and feedback through a URL. One user, named "John & Sons", is facing errors because of the & symbol in the URL. **Task:** • Use `encodeURIComponent()` to fix this issue. • Decode it back and display the original input.	L2, L3
Q3	An online store stores items in an array: `let cart = ["Shoes", "Shoes", "Bag", "Watch", "Shoes", "Bag"];` **Task:** • Use `filter()` and `indexOf()` to remove duplicate products. • Display the unique cart items.	L2, L3
Q4	A classroom has an attendance list: `let students = ["Ali", "Meera", "Ravi", "Ali", "Sara"];` **Task:** • Check whether all students' names are strings using `every()`. • Replace the first two names with Guest1 and Guest2 using `copyWithin()`.	L2, L3
Q5	A customer writes feedback: "ThIs prODuct IS AmaZinG!" **Task:** • Write a function to format the feedback so that each word starts with a capital letter.	L2, L3
Q6	You are building a chat app that must replace the word "stupid" with "". **Task:** • Use `replaceAll()` to clean the message: "This is stupid, really stupid behavior!"	L2, L3
Q7	A teacher stores student marks: `let marks = [45.7, 89.4, 32.6, 50.5];` **Task:** • Use `Math.round()` to round each mark. • Use `Math.ceil()` to always round up.	L2, L3
Q8	A banking app needs a 6-digit OTP. **Task:** • Use `Math.random()` with `Math.floor()` to generate a random 6-digit number.	L2, L3
Q9	A concert is scheduled for "December 31, 2025 23:59:59". **Task:** • Write a program that calculates the days, hours, and minutes left from today.	L3, L4
Q10	A user's birthday is stored as: `let bday = new Date(1998, 6, 15);` **Task:** • Output it as "15 July 1998".	L2, L3