Dart Practice Problems
Functions, Data Types, and Operators

1   Create a function that receives username, password, and isAccountActive. Access is granted only if username equals 'student', password equals 'iti123', and account is active. Return 'Login Successful' or 'Access Denied'.

2   Create a function that receives product price, isPremium, and hasCoupon. Customer gets 15% discount if premium member OR has coupon. Return final price.

3   Create a function that receives exam score and attendance percentage. Student passes only if score ≥ 50 AND attendance ≥ 75. Return 'Passed' or 'Failed'.

4   Create a function that receives salary, age, and hasExistingLoan. Loan approved if salary ≥ 5000, age between 21 and 60, and no existing loan. Return 'Loan Approved' or 'Loan Rejected'.

5   Create a function that receives order amount and distance in kilometers. Free delivery if order ≥ 300, otherwise delivery fee = distance × 5. Return total amount including delivery.

6   Create a function that receives years of experience and performance rating (1–5). Employee receives bonus if experience ≥ 3 AND rating ≥ 4. Return 'Bonus Granted' or 'No Bonus'.

7   Create a function that receives hasAccessCard and knowsPassword. Door opens only if both are true. Return 'Door Opened' or 'Access Restricted'.

8   Create a function that receives electricity usage (kWh). usage < 200 → 'Low Consumption', 200–500 → 'Medium Consumption', above 500 → 'High Consumption'. Return the category.

9   Create a function that receives completedLessons and quizScore. Next level unlocks if completed lessons ≥ 10 AND quiz score ≥ 70. Return 'Level Unlocked' or 'Complete Requirements'.

10 Create a function that receives driver availability, user balance, and trip cost. Ride starts if driver available AND balance ≥ trip cost. Return 'Ride Confirmed' or 'Insufficient Conditions'.