1. Income Tax Calculator

Given a person's yearly salary (e.g., Rs. 950,000), calculate income tax based on these slabs:

- Up to Rs. 500,000 → 0%

- Rs. 500,001 to 750,000 → 10%

- Above Rs. 750,000 → 20%
  Calculate and print the total tax.

---

2. Multi-Slab Electricity Bill Estimator

Given electricity usage in units (e.g., 370 units):

- First 100 units → Rs. 10/unit

- Next 200 units → Rs. 15/unit

- Remaining units → Rs. 20/unit
  Calculate the total bill.

---

3. Loan Eligibility Decision

Inputs:

- Monthly income

- Existing loan amount

- Credit score
  Eligible if:

- Income > Rs. 60,000

- Loan < Rs. 200,000

- Credit score ≥ 700
  Print if the person is eligible for a new loan.

---

4. Mobile Data Usage Alert
Inputs:

- Data limit = 5 GB

- Data used = (e.g.) 4.3 GB
  If data used is 90% or more of the limit, display a warning.

---

5. BMI & Health Risk Classifier
Inputs:

- Weight (kg)

- Height (m)
  Calculate BMI = weight / height²
  Classify:

- < 18.5 → Underweight

- 18.5–24.9 → Normal

- 25–29.9 → Overweight

- ≥ 30 → Obese

---

6. Train Ticket Pricing Based on Age
Base price = Rs. 1000
Discount rules:

- Age < 5 → Free

- Age 5–18 → 50% off

- Age ≥ 60 → 30% off

- Others → Full price
  Calculate the final ticket cost.

---

7. Currency Conversion (LKR to Multiple Currencies)
Convert a given amount in Sri Lankan Rupees to:

- USD (1 LKR = 0.0031 USD)

- JPY (1 LKR = 0.48 JPY)

- EUR (1 LKR = 0.0028 EUR)
  Show all three converted values.

---

8. 3-Subject Grade Evaluator
Inputs: Marks for 3 subjects
Find average and classify:

- Avg < 50 → Fail

- 50–64 → Pass

- 65–79 → Merit

- 80–100 → Distinction

---

9. Find Min, Max, Median of 3 Numbers
Given 3 different numbers, find:

- Minimum

- Maximum

- Middle value (median)
  Only use `if-else` conditions and local variables.

---

10. Mobile Recharge Bonus Calculator
Given a recharge amount, calculate bonus:

- < Rs. 100 → No bonus

- Rs. 100–199 → 5% bonus

- Rs. 200–499 → 10% bonus

- ≥ Rs. 500 → 20% bonus
  Display total value (recharge + bonus).

11 Internet Bill Tier Calculator
An internet provider charges based on data usage:

- Up to 50 GB → Rs. 1000

- 51–100 GB → Rs. 1500

- Above 100 GB → Rs. 2000
  Input the total GB used and output the correct bill.

---

12. Mobile Number Validity Checker
Given a mobile number (as a 10-digit string), check if it's:

- 10 digits

- Starts with 07, 08, or 09
  Print if it's a valid Sri Lankan mobile number.

---

13. GPA Calculator for 4 Subjects
Each subject has a grade point (0.0 to 4.0).
Calculate GPA = (Sum of all grade points) / 4
Then classify:

- GPA ≥ 3.7 → First Class

- 3.0–3.69 → Second Upper

- 2.0–2.99 → Second Lower

- < 2.0 → Fail

14. Speeding Fine Calculator
Given a speed limit (e.g., 60 km/h) and your speed (e.g., 85 km/h):

- If speed is within limit → No fine

- If exceeded by ≤ 10 → Rs. 1000

- Exceeded by 11–20 → Rs. 2500

- Exceeded by > 20 → Rs. 5000
  Print the applicable fine.

15. Hotel Room Booking Price
Base room rate = Rs. 5000
Discount:

- If booking for 2 nights → 10%

- 3 to 5 nights → 15%

- More than 5 nights → 25%
  Calculate total price after discount.

16. Triangle Validity Checker
Given 3 side lengths, determine if they can form a valid triangle using the rule:
Sum of any two sides must be greater than the third side.
If valid, also print if it's:

- Equilateral

- Isosceles

- Scalene

17. Sales Commission Calculator
Given a sales amount:

- Up to Rs. 50,000 → 2% commission

- Rs. 50,001–100,000 → 5%

- Over Rs. 100,000 → 10%
  Calculate and print the commission.

---

18. Car Rental Price Calculator
Base rate = Rs. 3000/day
Add:

- Rs. 1000 if driver is included

- Rs. 1500 if GPS is included
  Input number of days, driver option, GPS option
  Calculate total rental cost.

---

19. Exam Pass/Fail Checker (with Absences)
Given:

- Marks out of 100

- Number of absences
  Rules:

- Pass if marks ≥ 50

- But fail if absences > 10
  Check and print result: Pass or Fail

---

20. Salary Bonus Calculator Based on Experience
Given:

- Base salary

- Years of experience
   Bonus:

- < 2 years → 5%

- 2–5 years → 10%

- 5 years → 15%
   Calculate and print total salary including bonus.