Basics of Programming

While Loop

- Initialization
- Condition Check
- Variable Updation

For Loop

- Initialization
- Condition Check
- Variable Updation

Questions

- Q1. Add Two Numbers
- Q2. Simple Interest Calculation
- Q3. Check Whether a Number is Odd or Even
- Q4. Find the Maximum of Two Numbers
- Q5. Find the Maximum of Three Numbers
- Q6. Grade Card Program (Based on Marks)
- Q7. Print Counting from 1 to N
- Q8. Find the Sum of N Natural Numbers
- Q9. Print the Multiplication Table of 7
- Q10. Find the Factorial of a Number
- Q11. Print All Even Numbers from 1 to 100 using a Loop
- Q12. Find the Sum of Digits of a Given Number using a Loop
- Q13. Reverse a Number using a While Loop

Extra Questions

- Q1. Lottry game
- You are given a number n.
- You have to determine what the person wins based on the following conditions:
- If n >= 300 and n <= 460, the prize is MacBook.
- If n >= 200 and n <= 280, the prize is Kurkure.
- If n >= 1100 and n <= 1500, the prize is Cycle.
- If n > 50 and n <= 80, the prize is Bike.
- For all other values of n, print "Better luck next time.

- Q2. Lottery Game – Part 2
- You are given a number n.
- Based on the value of n, print what the person wins using the following conditions:
- MacBook RangeIf n >= 300 and n <= 460, Print "You won a MacBook!"
- Then check:If n >= 300 and n <= 380, print "Model: M1 Mac"
- If n >= 381 and n <= 460, print "Model: M2 Mac"
- Kurkure RangeIf n >= 200 and n <= 280, Print "You won a pack of Kurkure!"
- Then check:If n >= 200 and n <= 240, print "Flavor: Chilli Kurkure"
- If n >= 241 and n <= 280, print "Flavor: Onion Kurkure"
- Cycle RangeIf n >= 1100 and n <= 1500, Print "You won a Cycle!"
- Then check:If n >= 1100 and n <= 1300, print "Brand: Avon Cycle"
- If n >= 1301 and n <= 1500, print "Brand: Hero Cycle"
- Bike RangeIf n > 50 and n <= 80, Print "You won a Bike!"
- Then check:If n > 50 and n <= 65, print "Model: Bullet"
- If n > 65 and n <= 80, print "Model: Rajdoot"
- OtherwiseFor all other values of n, Print "Better luck next time."