



Basics of Programming

While Loop

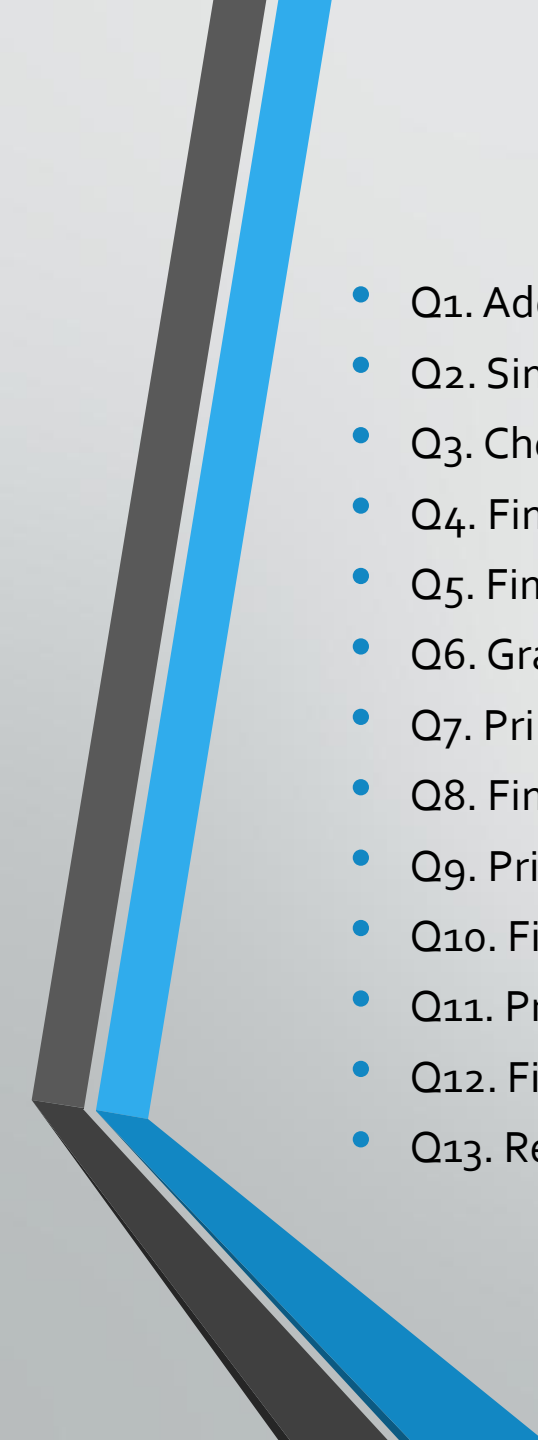
- Initialization
- Condition Check
- Variable Updation

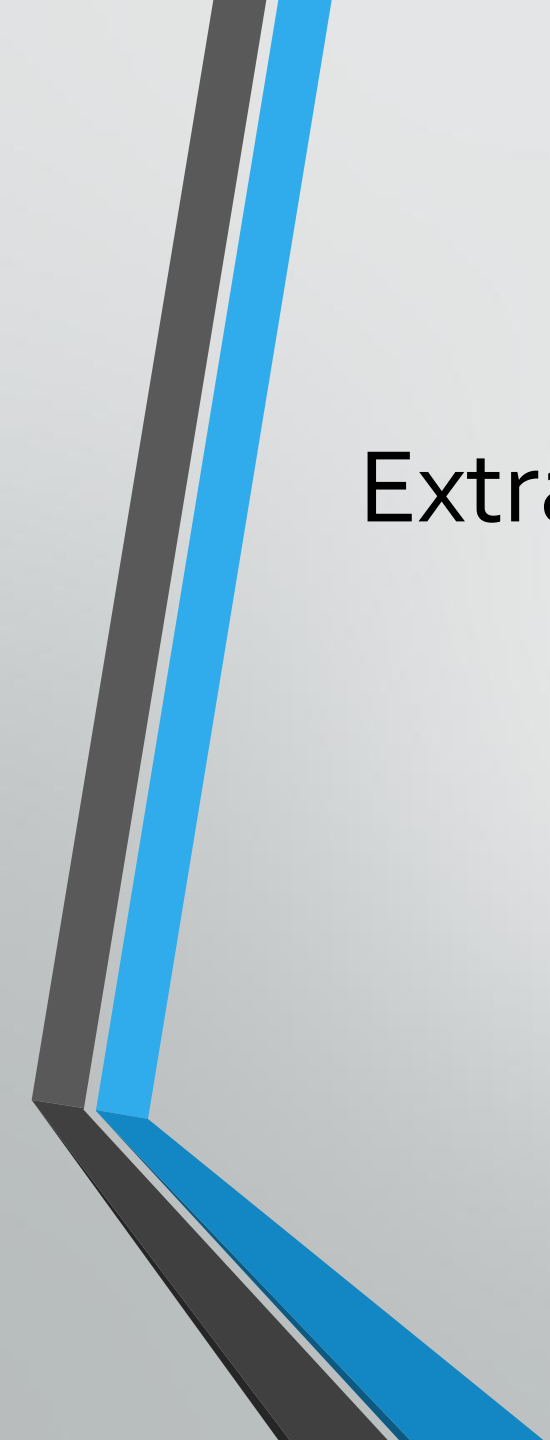
For Loop

- 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 $n \geq 300$ and $n \leq 460$, the prize is MacBook.
- If $n \geq 200$ and $n \leq 280$, the prize is Kurkure.
- If $n \geq 1100$ and $n \leq 1500$, the prize is Cycle.
- If $n > 50$ and $n \leq 80$, 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 Rangelf $n \geq 300$ and $n \leq 460$, Print "You won a MacBook!"
- Then check:If $n \geq 300$ and $n \leq 380$, print "Model: M1 Mac"
- If $n \geq 381$ and $n \leq 460$, print "Model: M2 Mac"
- Kurkure Rangelf $n \geq 200$ and $n \leq 280$, Print "You won a pack of Kurkure!"
- Then check:If $n \geq 200$ and $n \leq 240$, print "Flavor: Chilli Kurkure"
- If $n \geq 241$ and $n \leq 280$, print "Flavor: Onion Kurkure"
- Cycle Rangelf $n \geq 1100$ and $n \leq 1500$, Print "You won a Cycle!"
- Then check:If $n \geq 1100$ and $n \leq 1300$, print "Brand: Avon Cycle"
- If $n \geq 1301$ and $n \leq 1500$, print "Brand: Hero Cycle"
- Bike Rangelf $n > 50$ and $n \leq 80$, Print "You won a Bike!"
- Then check:If $n > 50$ and $n \leq 65$, print "Model: Bullet"
- If $n > 65$ and $n \leq 80$, print "Model: Rajdoot"
- OtherwiseFor all other values of n , Print "Better luck next time."