Roll No……………. Snippet A: Basic Conditional Check (Task 9: Even or Odd)

This code checks if a user-provided integer is even or odd.

Line	Code Line	Correct Order
1	`else:`	
2	`n = int(input("Enter an integer: "))`	
3	`if n % 2 == 0:`	
4	`print(f"{n} is an odd number.")`	
5	`print(f"{n} is an even number.")`	

Roll No……………. Snippet B: `while` Loop with a Conditional Exit (Simple Counter)

This code prints numbers from 1 up to a user-specified limit, N.

Line	Code Line	Correct Order
1	`count += 1`	
2	`N = int(input("Enter a limit: "))`	
3	`while count <= N:`	
4	`count = 1`	
5	`print(count)`	

Roll No……………. Snippet C: `for` Loop with `if` (Skipping Multiples)

This code iterates from 1 to 10 and prints only the numbers that are **not** multiples of 3.

Line	Code Line	Correct Order
1	`if i % 3 != 0:`	
2	`for i in range(1, 11):`	
3	`print(i)`	
4	`print("Loop finished.")`	

Roll No……………. Snippet D: `if-elif-else` (Task 12: Guessing Game Logic)

This code determines if a user's `guess` is too high, too low, or correct compared to a `secret` number.

Line	Code Line	Correct Order
1	`else:`	
2	`secret = 42`	
3	`elif user_guess > secret:`	
4	`user_guess = int(input("Guess the secret number: "))`	
5	`if user_guess < secret:`	
6	`print("You guessed it! The secret was 42.")`	
7	`print("Your guess is too low!")`	
8	`print("Your guess is too high!")`	

Snippet E: `for` Loop with Conditional Summation

This code iterates over a list and calculates the sum of only the **positive** numbers.

Line	Code Line	Correct Order
1	`if num > 0:`	
2	`for num in numbers:`	
3	`total = 0`	
4	`print(f"Total: {total}")`	
5	`total += num`	
6	`numbers = [5, -1, 10, -5, 2]`	

Snippet F: `while` Loop with a Sentinel Value

This code continually asks for user input and echoes it until the user types the word `'quit'`.

Line	Code Line	Correct Order
1	`while text != 'quit':`	
2	`print(f"Echo: {text}")`	
3	`text = input("Enter word (or 'quit'): ")`	
4	`text = input("Enter word (or 'quit'): ")`	
5	`print("Done.")`	

Snippet G: `if-elif-else` Range Check

This code assigns a category ('High', 'Low', or 'Medium') to a predefined number based on its value.

Line	Code Line	Correct Order
1	`else:`	
2	`num = 55`	
3	`if num > 100:`	
4	`print("High")`	
5	`elif num < 10:`	
6	`print("Medium")`	
7	`print("Low")`	

Snippet H: `while` Loop with `break`

This code searches for and prints the **first** number greater than 20 that is perfectly divisible by 6, then stops.

Line	Code Line	Correct Order
1	`break`	
2	`if i > 20 and i % 6 == 0:`	
3	`print(i)`	
4	`i = 1`	
5	`i += 1`	
6	`while True:`	