

Assignment 2: Python Control Statements

Easy Level (10)

1. Check if number is Positive, Negative or Zero.
2. Voting eligibility program.
3. Find maximum of two numbers.
4. Check Odd or Even.
5. Print 1 to n using for loop.
6. Print 1 to n using while loop.
7. Sum of first n natural numbers.
8. Skip character 'h' using continue.
9. Stop printing at 3 using break.
10. Print weekday using match-case.

Average Level (10)

11. Maximum of three numbers.
12. Grade calculator using if-elif.
13. Multiplication table.
14. Factorial using while.
15. Count digits of a number.
16. Reverse a number.
17. Prime number check.
18. Search element using for-else.
19. Password attempts using while-else.
20. Point location using match-case.

Hard Level (10)

21. Menu-driven calculator using match-case.
22. Number triangle pattern.
23. Skip multiples of 3 using continue.
24. First n prime numbers.
25. GCD using while loop.
26. LCM program.
27. Number guessing game with while-else.
28. Input validation loop.
29. String analyzer (vowels, digits, etc.).
30. Tuple comparison using match-case with guards.