

# 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.