



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

LAB EXERCISE 1 (SECJ1013)
PROGRAMMING TECHNIQUE 1
SEM 1, 2024/2025

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“ Success runs on algorithms.”

ANSWER

PSEUDOCODE:

1. **START**
2. SET sum = 0
3. READ integer
4. WHILE integer > 0
 - 4.1 digit = integer % 10
 - 4.2 sum = sum + digit
 - 4.3 integer = (integer – digit) / 10
5. END_WHILE
6. IF sum % 2 == 0
 - 6.1 sum is even number
7. ELSE
 - 7.1 sum is odd number
8. END_IF
9. IF sum % 4 == 0 && sum % 5 == 0
 - 9.1 sum is multiples of 4 and 5
10. ELSE IF sum % 4 == 0
 - 10.1 sum is multiples of 4
11. ELSE IF sum % 5 == 0
 - 11.1 sum is multiples of 5
12. END_IF
13. **STOP**

FLOW CHART: