1. Start
2. Get integer
3. Initialise sum = 0
4. While integer > 0
   - lastdigit = integer%10
   - sum = sum + lastdigit
   - integer = integer/10
5. End while
6. If sum%2 == 0
   - If sum%4 == 0
     - Display sum "is an even number an a multiple of 4
     - If sum%5 == 0
       - Display "and 5"
     - Else
   - Else if sum%5 == 0
     - Display sum "is an even number and a multiple of 5"
   - Else
     - Display sum "is an even number"
   - Else if sum%5 == 0
     - Display sum "is an odd number and a multiple of 5"
   - Else
     - Display sum "is an odd number"
7. End