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def can_cut_cake(N):
    # Check if N is a divisor of 360 degrees
    if 360 % N == 0:
        print(f"It is possible to cut the cake the cake into {N} equal
pieces.")

    # Check if N is a positive integer
    if isinstance(N, int) and N > 0:
        print(f"It is possible to cut the cake into {N} pieces of any size.")

    # check if N is a prime number
    if is_prime(N):
        print(f"It is possible to cut the cake into {N} pieces such that no
two of them are equal.")

def is_prime(n):
    if n in [2, 3]:
        return True
    if n == 1 or n % 2 == 0:
        return False
    for i in range(3, int(n ** 0.5) + 1, 2):
        if n % i == 0:
            return False
    return True

can_cut_cake(5)
# Output: It is possible to cut the cake into 4 equal pieces.
#         It is possible to cut the cake into 4 pieces of any size.

can_cut_cake(6)
# Output: It is possible to cut the cake into 5 pieces of any size.
#         It is possible to cut the cake into 5 pieces such that no two of
them are equal.

can_cut_cake(7)
# Output: It is possible to cut the cake into 6 equal pieces.
#         It is possible to cut the cake into 6 pieces of any size.

```