**Sum of Odd or Even Numbers**

def sum\_odd\_even(limit, mode):

total = 0

if mode == 'even':

for i in range(0, limit + 1, 2):

total += i

elif mode == 'odd':

for i in range(1, limit + 1, 2):

total += i

else:

return "Invalid mode! Use 'odd' or 'even'."

return total

# Example Usage

limit = int(input("Enter the limit: "))

mode = input("Sum odd or even? ").lower()

result = sum\_odd\_even(limit, mode)

print(f"Sum of {mode} numbers up to {limit} is: {result}")

**output:**

