**Python Program to check whether a given number is a fibonacci number or not .**

import math

def persq(a):

if int(math.sqrt(a))\*\*2 == a:

return True

else:

return False

n = int(input("Enter The Number: "))

if persq(5\*(n\*\*2)+4) or persq(5\*(n\*\*2)-4):

print(n, "Is A Fibonacci Number")

else:

print(n, "Is Not A Fibonacci Number")

**Output:**

