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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **26/06/2020** | | | | | **Name:** | **Shone K Sunny** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL14CS081** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **\_\_** | | | | | | | | **Max. Marks** | | **\_\_** | | **Score** | | | **\_\_** | | | **Certification Course Summary** | | | | | | | | | | **Course** | **Python for Machine Learning** | | | | | | | | | **Certificate Provider** | | | **Great Learning**  **Academy** | | **Duration** | | | **7hr** | | **Coding Challenges** | | | | | | | | | | **Problem Statement:** Python Program for How to check if a given number is Fibonacci number? | | | | | | | | | | **Status: Solved** | | | | | | | | | | **Uploaded the report in Github** | | | | | **Yes** | | | | | **If yes Repository name** | | | | | **shonekks** | | | | | **Uploaded the report in slack** | | | | | **Yes** | | | |   Online Test Details: (Attach the snapshot and briefly write the report for the same)  Certification Course Details: (Attach the snapshot and briefly write the report for the same    Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
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#Python Program for How to check if a given number is Fibonacci number?

import math

def isPerfectSquare(x):

s = int(math.sqrt(x))

return s\*s == x

def isFibonacci(n):

return isPerfectSquare(5\*n\*n + 4) or isPerfectSquare(5\*n\*n - 4)

for i in range(1,11):

if (isFibonacci(i) == True):

print i,"is a Fibonacci Number"

else:

print i,"is a not Fibonacci Number "