



NAME - GUMMADALA BHAVANI PRASAD GOUD

REGISTRATION NUMBER - 12214446

SECTION - K22SW

ROLL NO - 36

SUBJECT CODE - INT108

PROJECT NO - 12

#THIS IS THE PROGRAM FOR FIBONACCI SERIES

```
import math
a=input("Enter a number or numbers: ").split(",")
l1=[]
for i in a:
    l1.append(int(i))
l1=sorted(l1)
def isperfectsquare(x):
    s=int(math.sqrt(x))
    return s*s==x
def isfibo(n):
    return isperfectsquare(5*n*n+4) or
isperfectsquare(5*n*n-4)
for i in l1:
    if (isfibo(i)==True):
        print(i,"is a Fibonacci Number")
    else:
        print(i,"is not a Fibonacci Number")
```

```
Run: 3 X
"C:\Users\Bhavani prasad\PycharmProjects\UNIT5\venv\Scripts\python.exe" "C:/Users/Bhavani prasad/PycharmProjects/UNIT5/3.py"
Enter a number or numbers: 4,7
4 is not a Fibonacci Number
7 is not a Fibonacci Number
Process finished with exit code 0
```