

NAME: ANAND AGRAWAL

REGISTRATION NO. =12218107

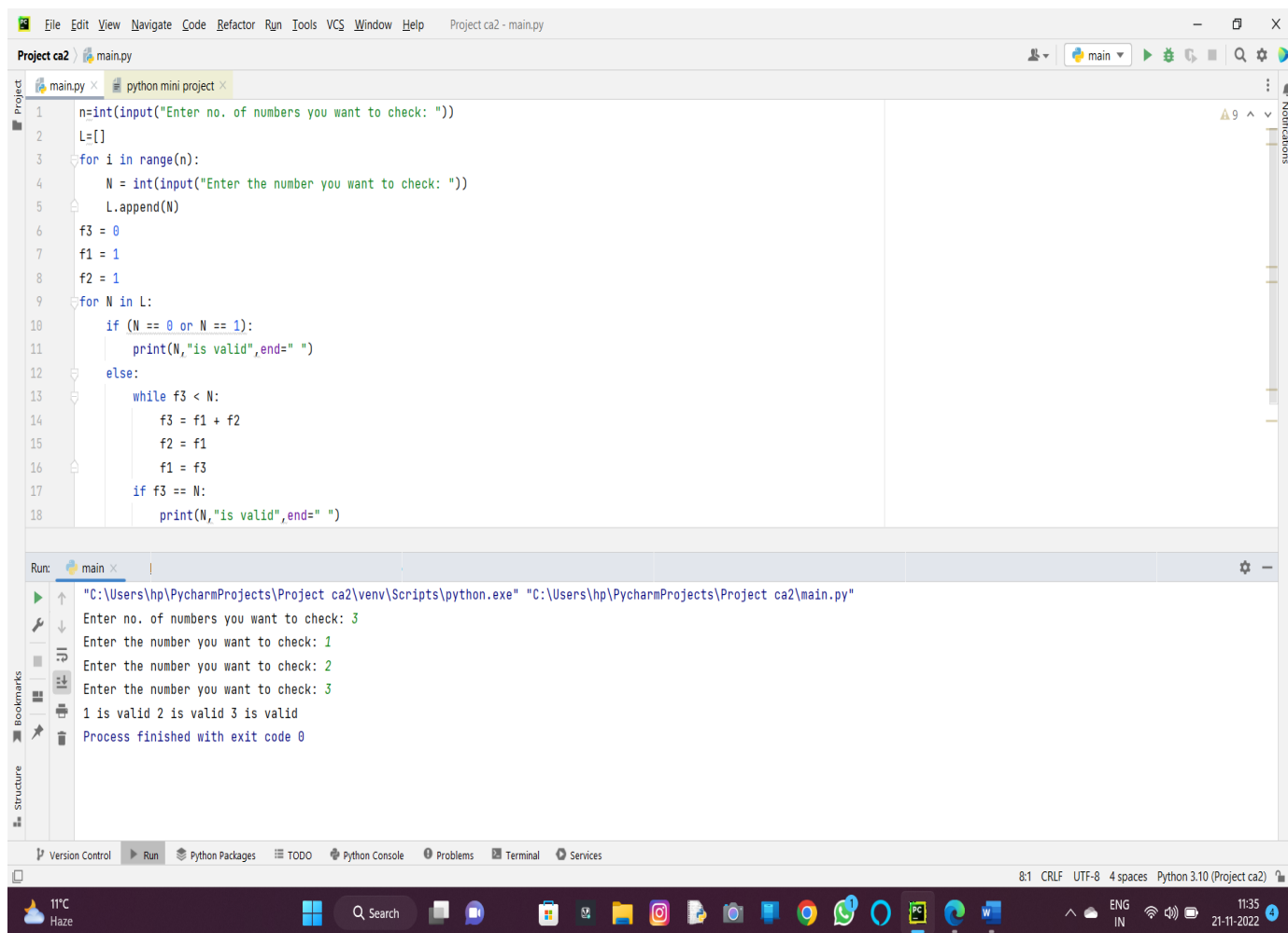
ROLL NO. = 35

SECTION:EQ

CODING

```
n=int(input("Enter no. of numbers you want to check: "))
L=[]
for i in range(n):
    N = int(input("Enter the number you want to check: "))
    L.append(N)
f3 = 0
f1 = 1
f2 = 1
for N in L:
    if (N == 0 or N == 1):
        print(N,"is valid",end=" ")
    else:
        while f3 < N:
            f3 = f1 + f2
            f2 = f1
            f1 = f3
        if f3 == N:
            print(N,"is valid",end=" ")
        else:
            print(N,"is invalid.",end=" ")
```

output:



The screenshot displays the PyCharm IDE interface. The main editor window shows a Python script named `main.py` with the following code:

```
1 n=int(input("Enter no. of numbers you want to check: "))
2 L=[]
3 for i in range(n):
4     N = int(input("Enter the number you want to check: "))
5     L.append(N)
6     f3 = 0
7     f1 = 1
8     f2 = 1
9     for N in L:
10        if (N == 0 or N == 1):
11            print(N,"is valid",end=" ")
12        else:
13            while f3 < N:
14                f3 = f1 + f2
15                f2 = f1
16                f1 = f3
17            if f3 == N:
18                print(N,"is valid",end=" ")
```

The Run console at the bottom shows the execution of the script. The command executed is `"C:\Users\hp\PycharmProjects\Project ca2\venv\Scripts\python.exe" "C:\Users\hp\PycharmProjects\Project ca2\main.py"`. The output of the script is:

```
Enter no. of numbers you want to check: 3
Enter the number you want to check: 1
Enter the number you want to check: 2
Enter the number you want to check: 3
1 is valid 2 is valid 3 is valid
Process finished with exit code 0
```

The bottom status bar indicates the file encoding is 8:1 CRLF, the file type is UTF-8, the indentation is 4 spaces, and the Python version is 3.10 (Project ca2).

