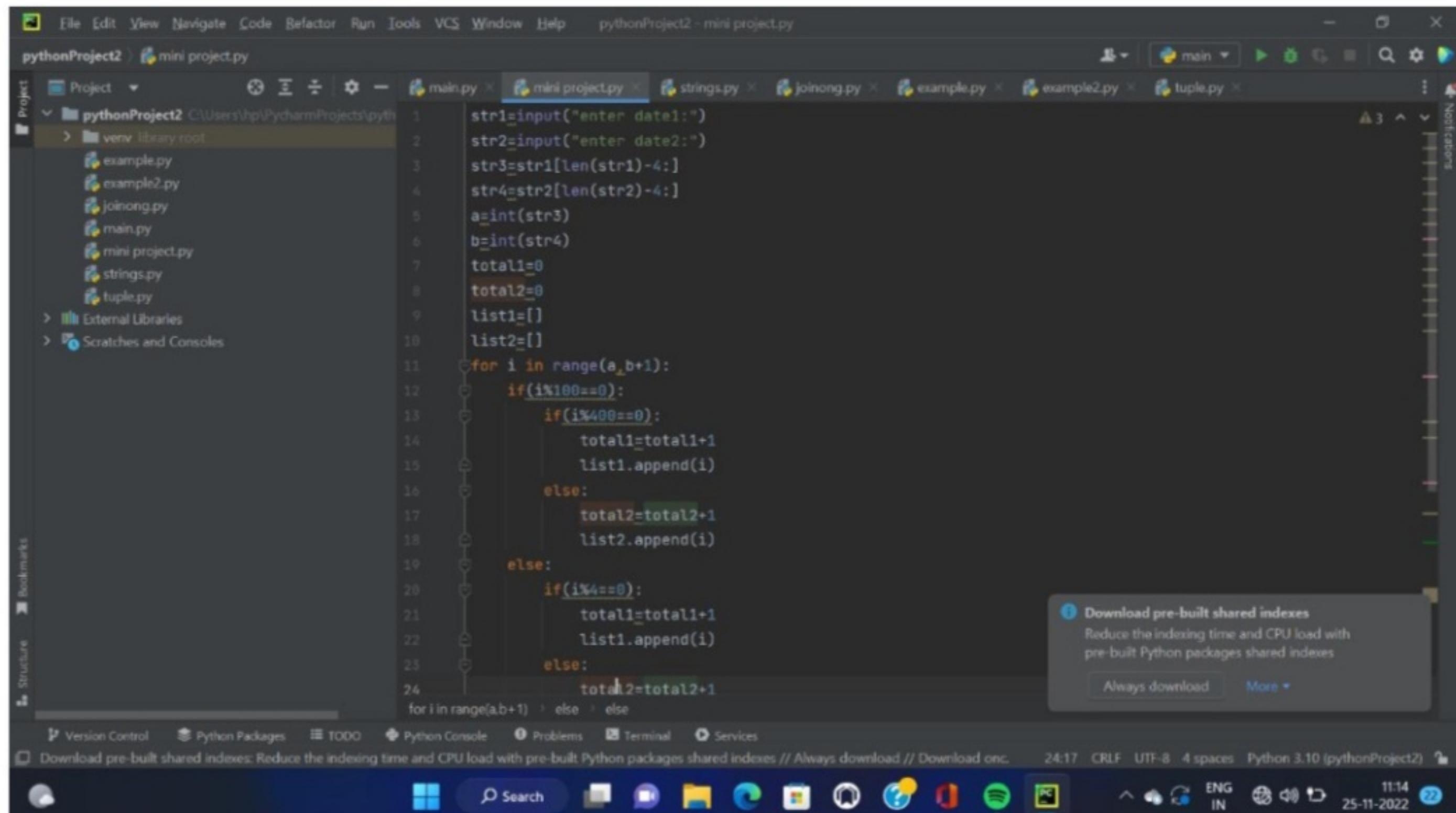


# Python mini project :-

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## Roll no -50 ,batch K22KS

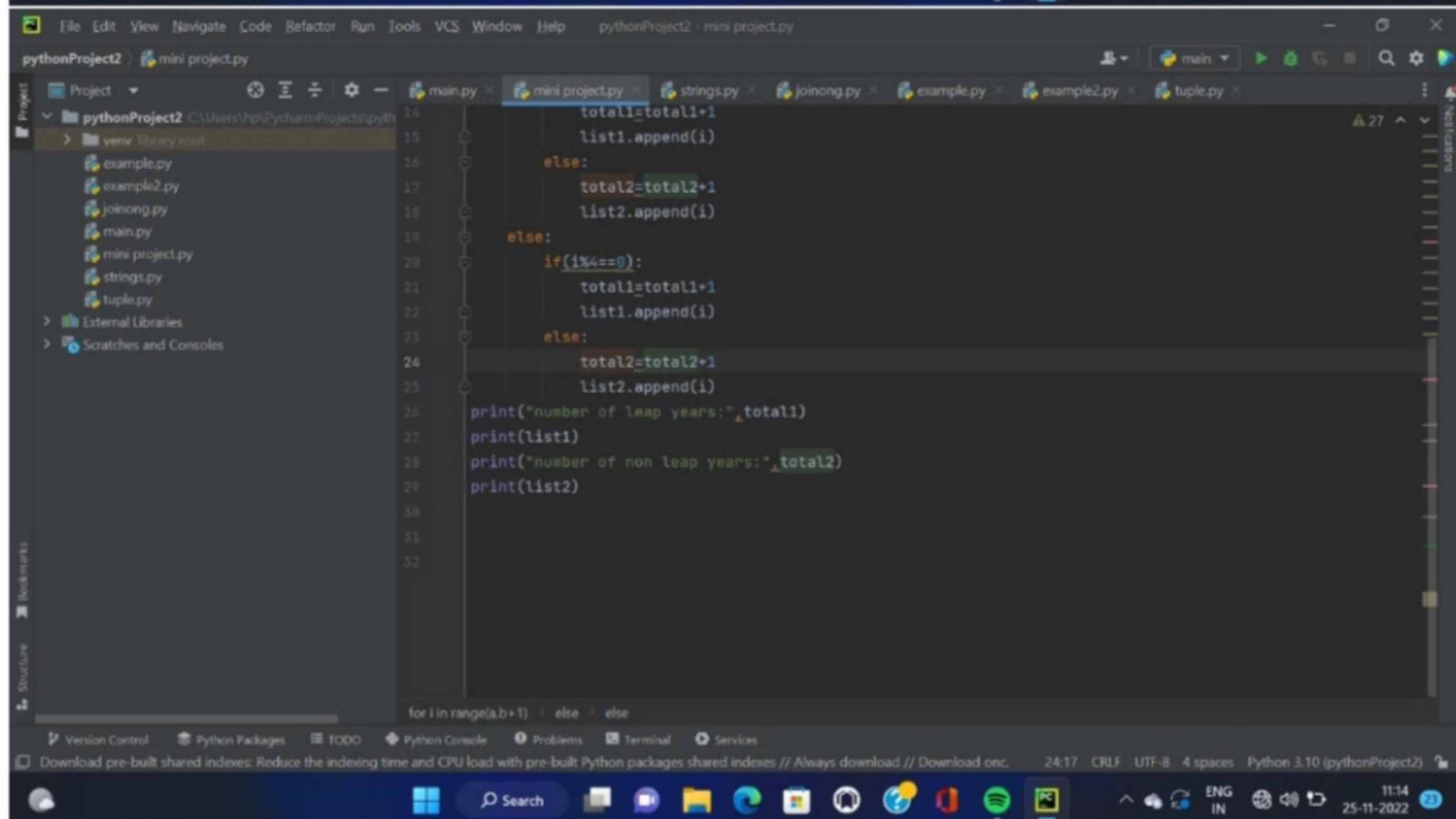
## SUBMITTED TO :- GAURI MATHUR MAM



This screenshot shows the PyCharm IDE with the file 'mini project.py' open. The code defines two input strings, calculates their lengths, and uses nested loops to process each character. It counts the number of leap years (total1) and non-leap years (total2) based on specific divisibility rules. The code is as follows:

```
1 str1=input("enter date1:")
2 str2=input("enter date2:")
3 str3=str1[len(str1)-4:]
4 str4=str2[len(str2)-4:]
5 a=int(str3)
6 b=int(str4)
7 total1=0
8 total2=0
9 list1=[]
10 list2=[]
11 for i in range(a,b+1):
12     if(i%100==0):
13         if(i%400==0):
14             total1=total1+1
15             list1.append(i)
16         else:
17             total2=total2+1
18             list2.append(i)
19     else:
20         if(i%4==0):
21             total1=total1+1
22             list1.append(i)
23         else:
24             total2=total2+1
25             list2.append(i)
```

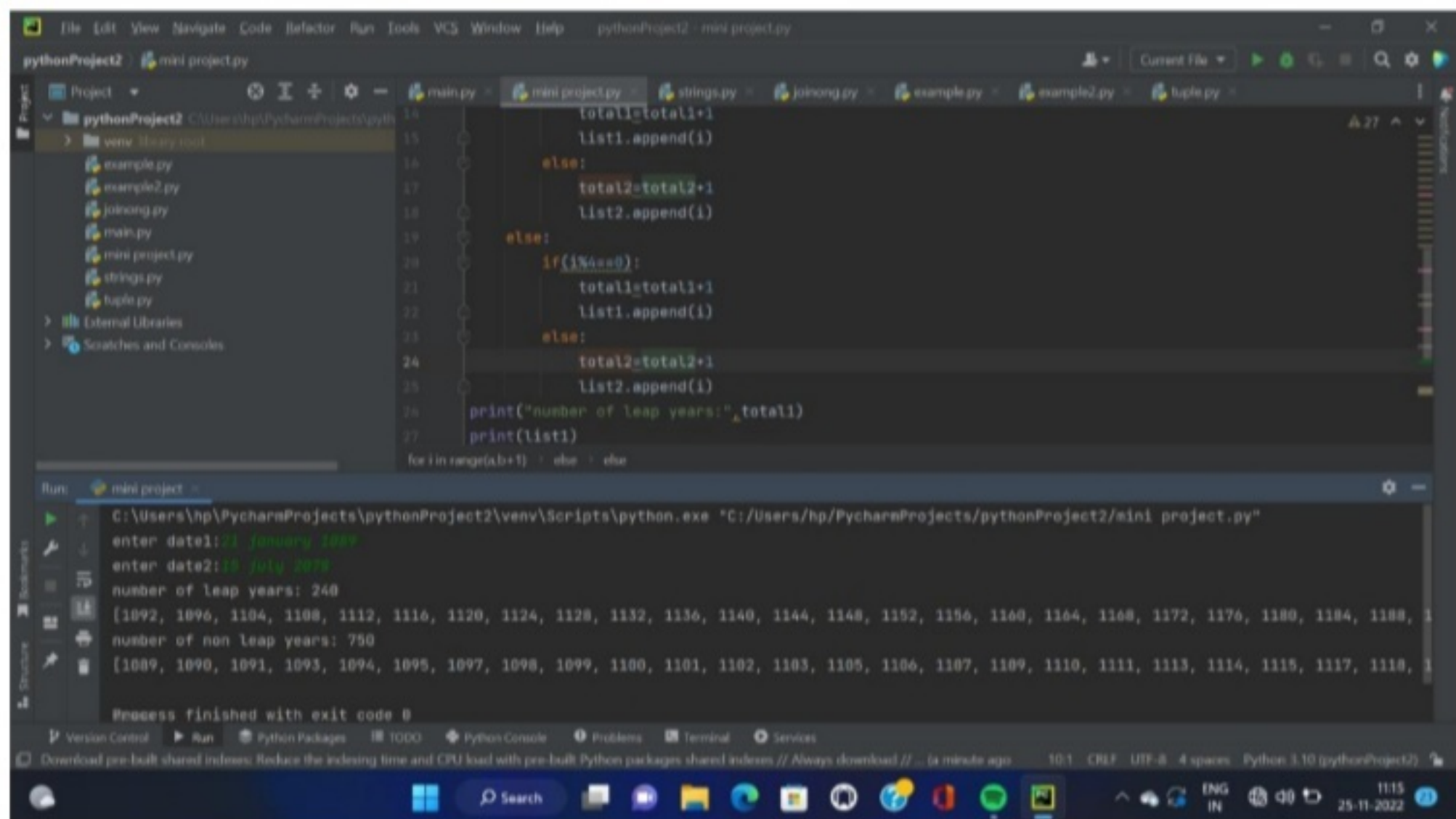
A notification box in the bottom right corner suggests downloading pre-built shared indexes to reduce indexing time and CPU load.



This screenshot shows the continuation of the Python mini project code in the PyCharm IDE. The code prints the total number of leap and non-leap years, along with the lists of those years. The code is as follows:

```
14 total1=total1+1
15 list1.append(i)
16 else:
17     total2=total2+1
18     list2.append(i)
19 else:
20     if(i%4==0):
21         total1=total1+1
22         list1.append(i)
23     else:
24         total2=total2+1
25         list2.append(i)
26 print("number of leap years: ",total1)
27 print(list1)
28 print("number of non leap years: ",total2)
29 print(list2)
```

The code continues with the same logic as the previous screenshot, processing the range from 'a' to 'b' and updating the totals and lists accordingly.



## OUTPUT