

A
MINI PROJECT
“Nth Prime Palindrome Number”

Under the guidance
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- Submitted By
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Section - KOC28

Technologies used (Python)

→**Function:** A function is a block of code which only runs when it is called. You can pass data, known as parameters, into a function. A function can return data as a result.

→**while Loop:** Python while loop is used to run a specific code until a certain condition is met.

→ **if condition:** The if statement is used to test a specific condition. If the condition is true, a block of code (if-block) will be executed.

About Project

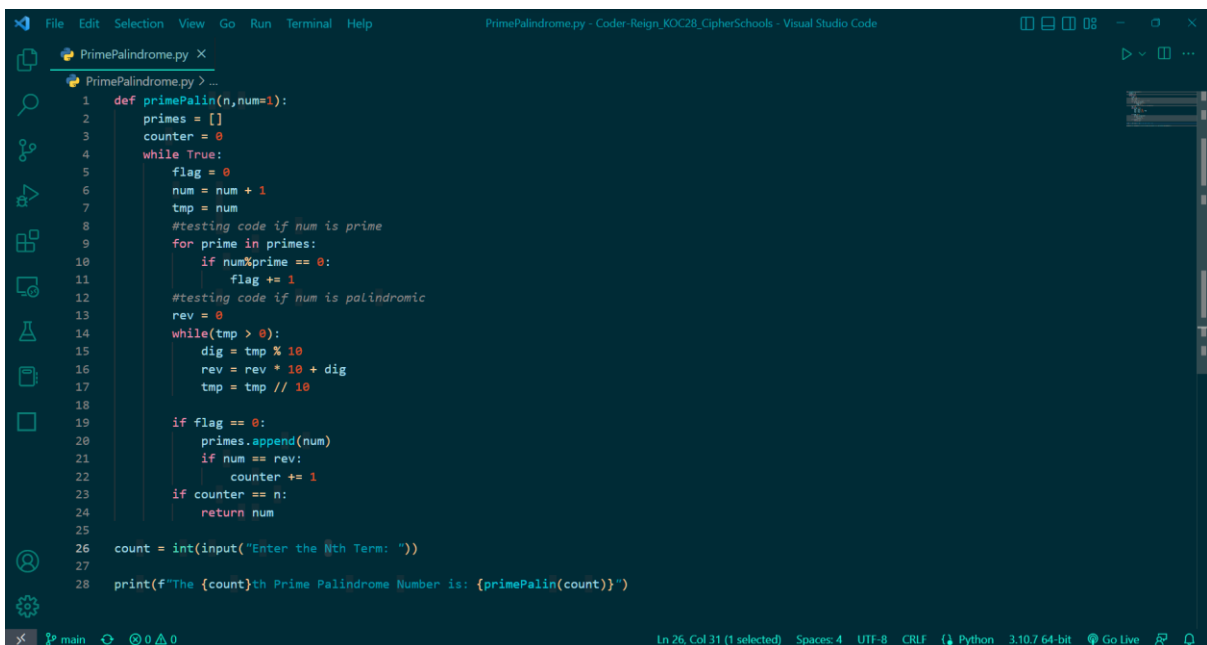
1. Title of the Project: Nth Prime Palindrome Number

2. Objective of your Project:

Write a program to find the **nth prime palindrome number**, n is the input user will give.

3. Briefly describe your Project:

To find the **nth prime palindrome number**, n is the input user will give. A prime number, such as 127, has no factors other than itself and one. A palindrome, such as 121, is the same number when its digits are reversed. A prime palindrome, such as 131, is both prime and a palindrome.



```
1 def primePalin(n,num=1):
2     primes = []
3     counter = 0
4     while True:
5         flag = 0
6         num = num + 1
7         tmp = num
8         #testing code if num is prime
9         for prime in primes:
10             if num%prime == 0:
11                 flag += 1
12         #testing code if num is palindromic
13         rev = 0
14         while(tmp > 0):
15             dig = tmp % 10
16             rev = rev * 10 + dig
17             tmp = tmp // 10
18
19         if flag == 0:
20             primes.append(num)
21             if num == rev:
22                 counter += 1
23             if counter == n:
24                 return num
25
26 count = int(input("Enter the Nth Term: "))
27
28 print(f"The {count}th Prime Palindrome Number is: {primePalin(count)}")
```