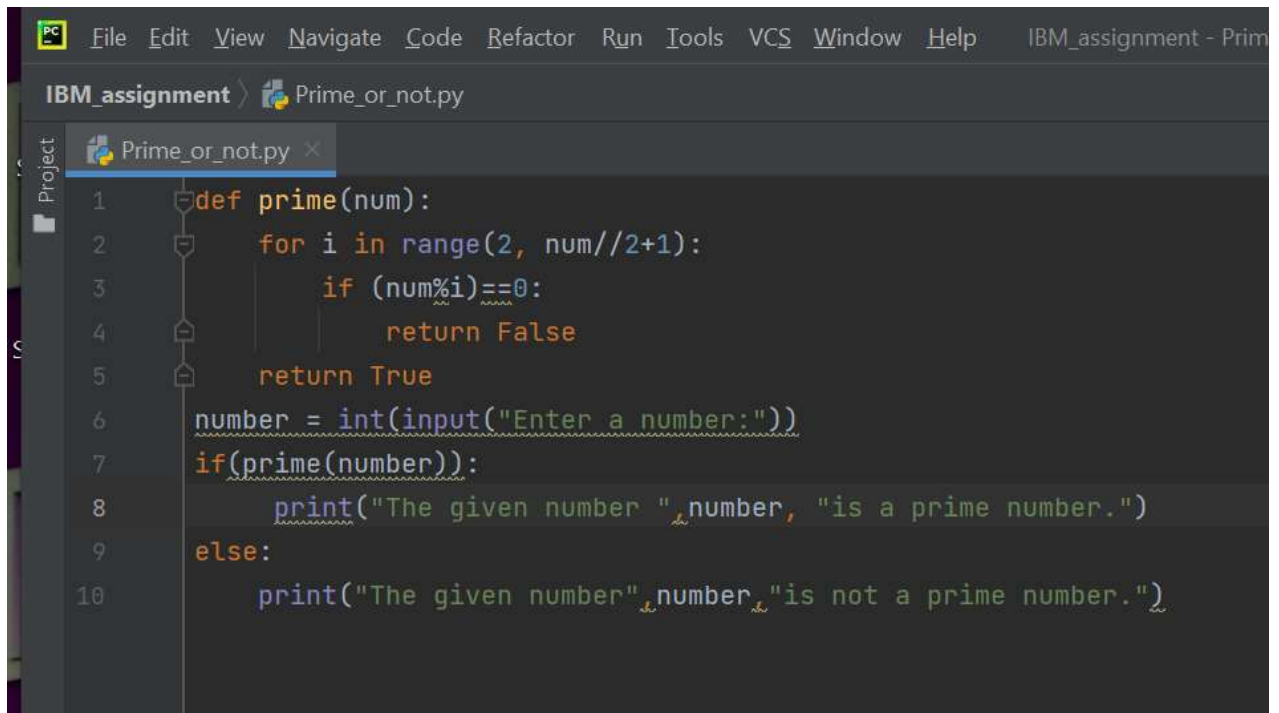
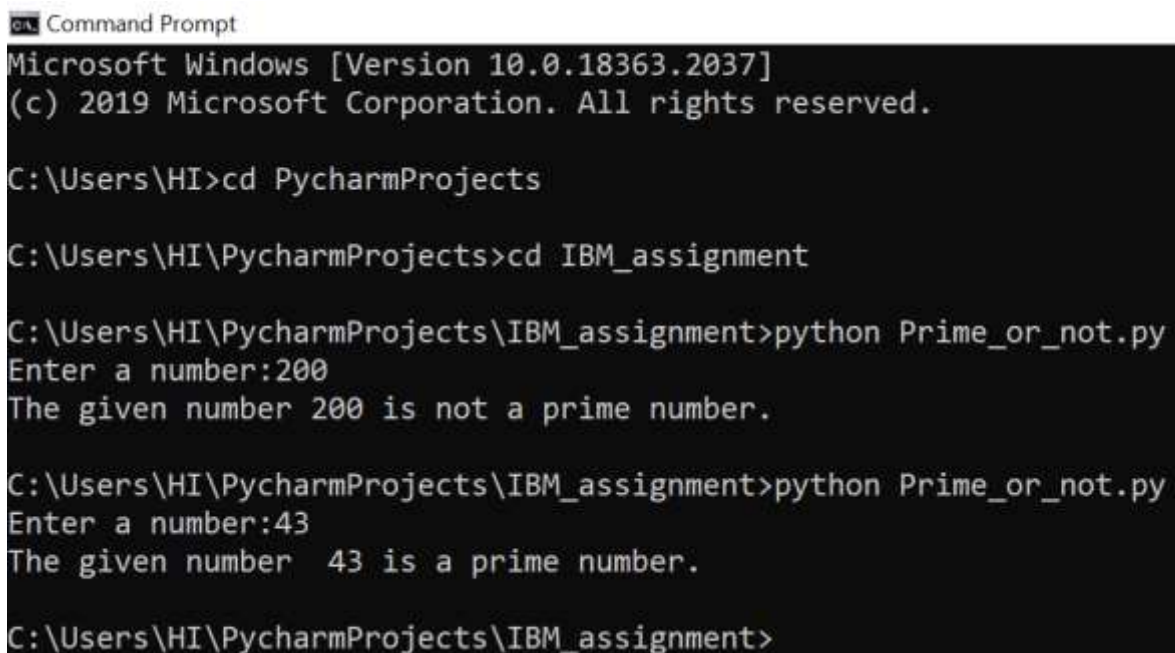


1.Program to check given number is prime number or not:



```
File Edit View Navigate Code Refactor Run Tools VCS Window Help IBM_assignment - Prim
IBM_assignment > Prime_or_not.py
Prime_or_not.py x
1 def prime(num):
2     for i in range(2, num//2+1):
3         if (num%i)==0:
4             return False
5     return True
6 number = int(input("Enter a number:"))
7 if(prime(number)):
8     print("The given number ", number, "is a prime number.")
9 else:
10    print("The given number", number, "is not a prime number.")
```

Output:



```
Command Prompt
Microsoft Windows [Version 10.0.18363.2037]
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C:\Users\HI>cd PycharmProjects

C:\Users\HI\PycharmProjects>cd IBM_assignment

C:\Users\HI\PycharmProjects\IBM_assignment>python Prime_or_not.py
Enter a number:200
The given number 200 is not a prime number.

C:\Users\HI\PycharmProjects\IBM_assignment>python Prime_or_not.py
Enter a number:43
The given number 43 is a prime number.

C:\Users\HI\PycharmProjects\IBM_assignment>
```