**Assignment-5 (Python)**

**1. Make Loading Animation using time module and for loop**

Sol.

import time

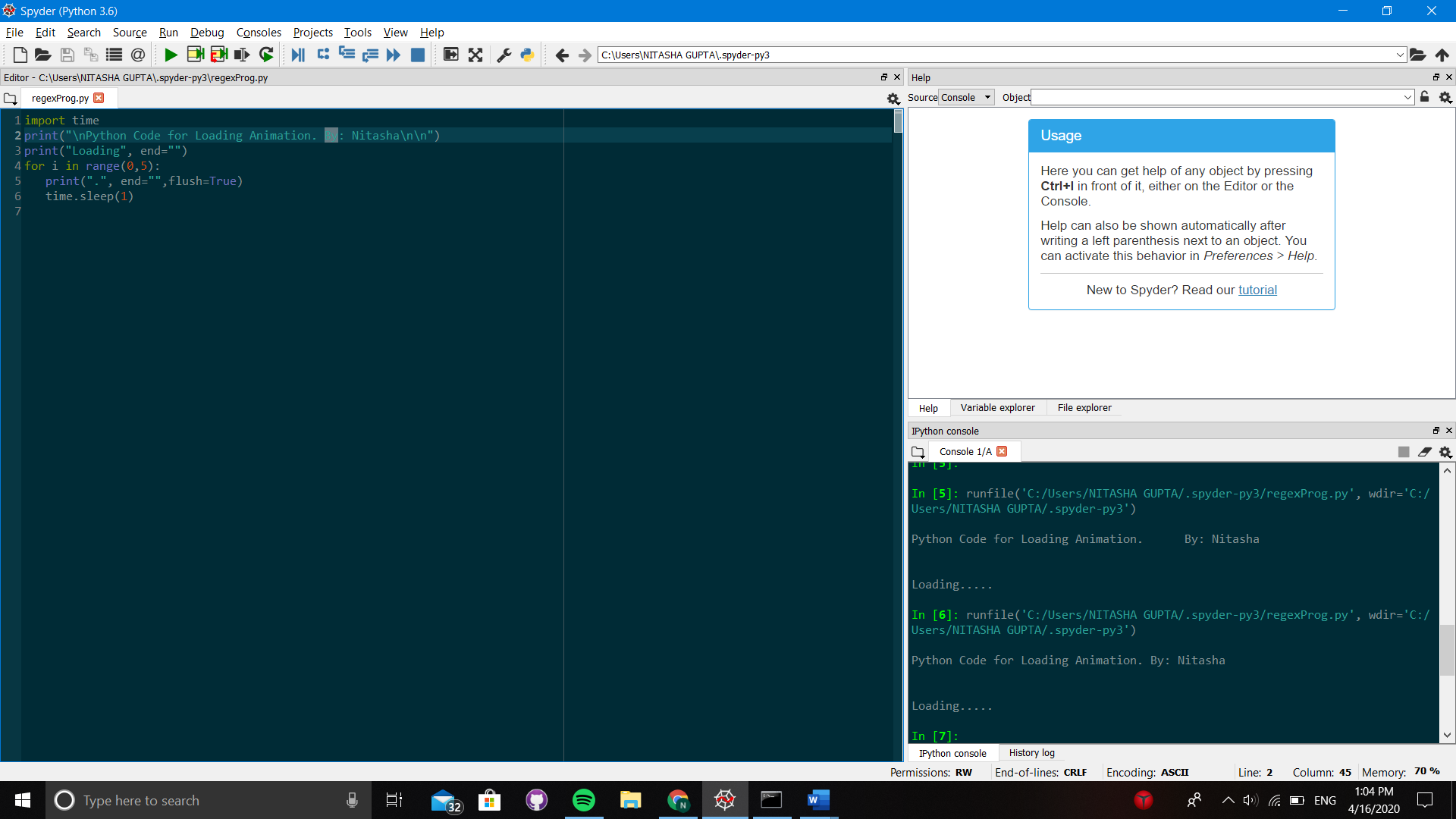
print("\nPython Code for Loading Animation. By: Nitasha\n\n")

print("Loading", end="")

for i in range(0,5):

print(".", end="",flush=True)

time.sleep(1)



**2. Difference between Return and Yield.**

Sol.

|  |  |
| --- | --- |
| **Yield** | **Return** |
| Yield statement is used to define generators. | Return statement causes a function to exit. |
| It replaces the return value of a function to suspend its execution without destroying the local variables. | It terminates the execution of a function and destroys all the local variables. |
| The yield statement is used when the generator returns an intermediate result to the caller. | The return statement is used when a function is ready to send a value back to its caller. |

**3. Make a digital clock and run it for five seconds.**

Sol.

import time

from datetime import datetime

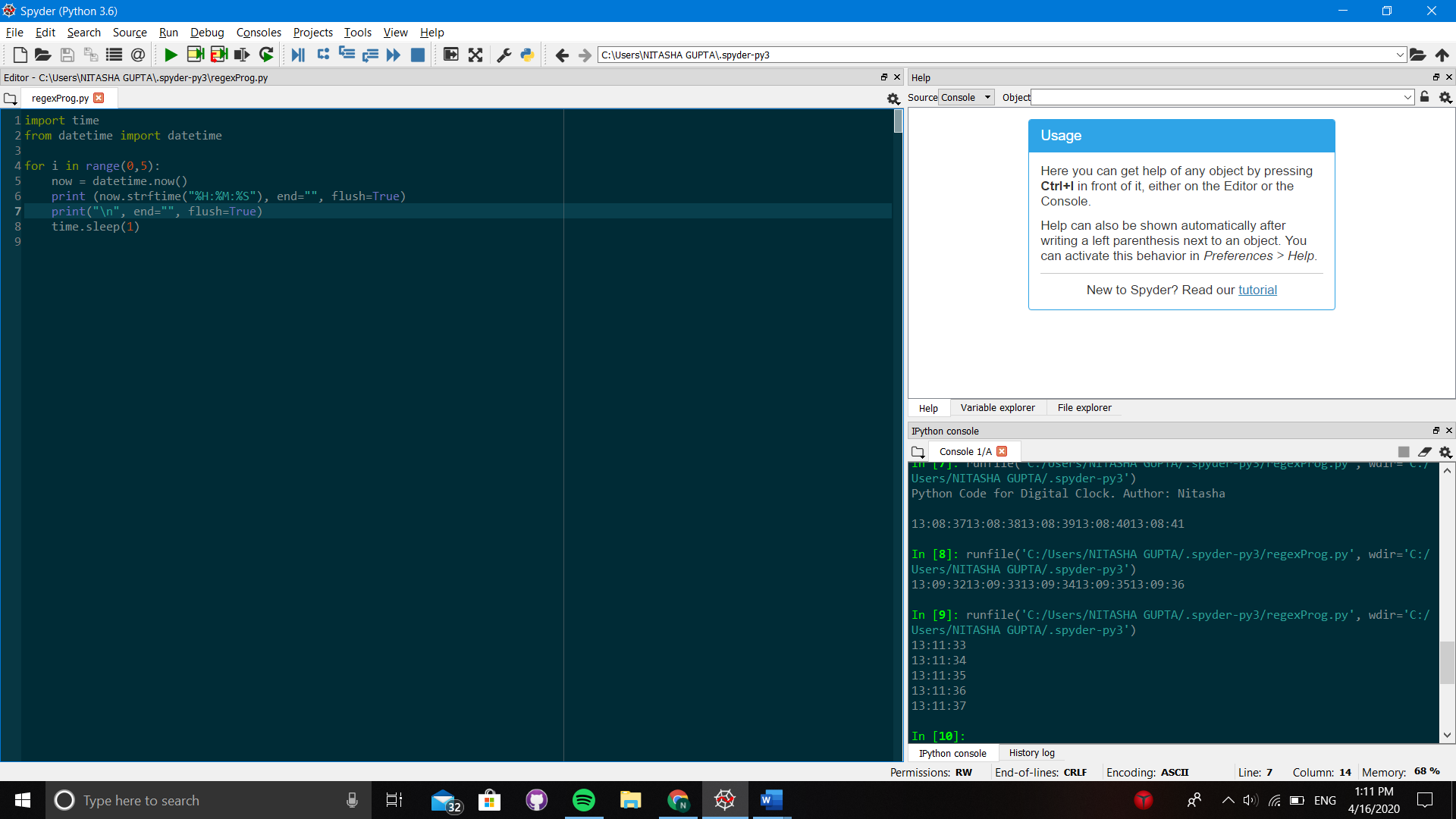
for i in range(0,5):

now = datetime.now()

print (now.strftime("%H:%M:%S"), end="", flush=True)

print("\n", end="", flush=True)

time.sleep(1)



**4. Add anything in tuple**

Sol.

tup1=(1,2,3,4,5,6)

print("The Tuple before adding is: ",tup1)

add=int(input("Enter a number to add into tuple: "))

tup1=list(tup1)

tup1.append(add)

tup1=tuple(tup1)

print("The tuple after addition is: ", end="")

print(tup1)

