ASSIGNMENT2

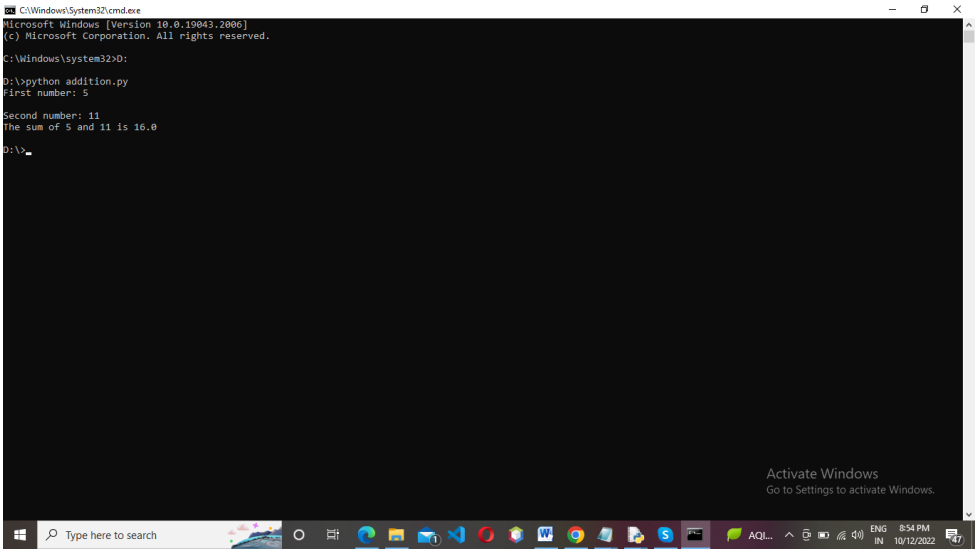
QUESTION 1: Write a addition program using python

PROGRAM

Addition.py

```
# Python3 program to add two numbers

number1 = input("First number: ")
number2 = input("\nSecond number: ")

# Adding two numbers
# User might also enter float numbers
sum = float(number1) + float(number2)

# Display the sum
# will print value in float
print("The sum of {0} and {1} is {2}" .format(number1, number2, sum))
```

OUTPUT:



QUESTION 2: Find a given number is odd or even using python

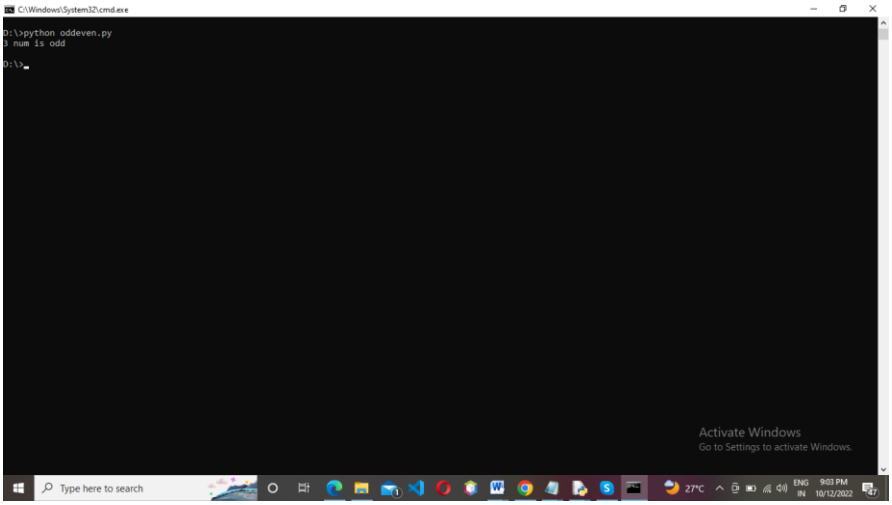
PROGRAM

Oddeven.py

```
# defining the function having
# the one parameter as input
def evenOdd(n):

        #if remainder is 0 then num is even
        if(n % 2 == 0):
```

```
                return True

        #if remainder is 1 then num is odd
        elif(n %2 != 0):
                return False
        else:
                return evenOdd(n)

# Input by geeks
num = 3
if(evenOdd( num )):
        print(num ,"num is even")
else:
        print(num ,"num is odd")
```

OUTPUT:



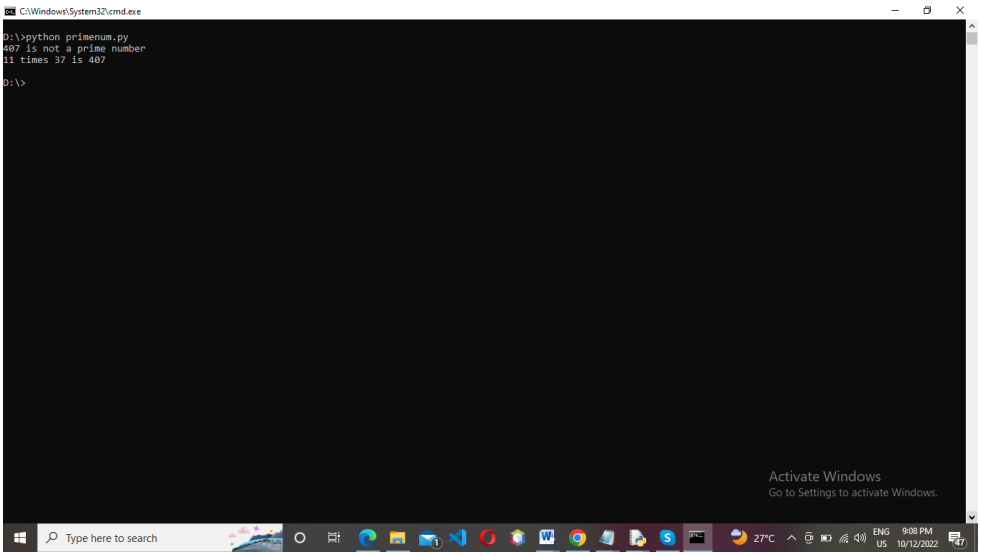
QUESTION 3: Prime number

Primenum.py

```
# Program to check if a number is prime or not

num = 407

# To take input from the user
#num = int(input("Enter a number: "))

# prime numbers are greater than 1
if num > 1:
  # check for factors
  for i in range(2,num):
     if (num % i) == 0:
        print(num,"is not a prime number")
        print(i,"times",num//i,"is",num)
        break
```

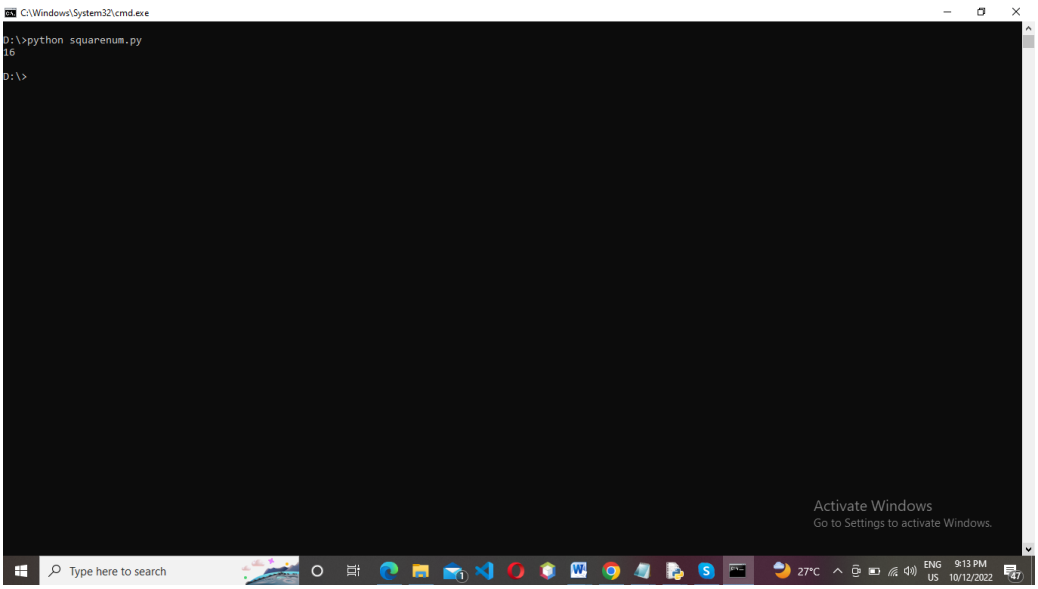
```
  else:
     print(num,"is a prime number")

# if input number is less than
# or equal to 1, it is not prime
else:
  print(num,"is not a prime number")
```

OUTPUT:



QUESTION 4: Square number
Squarenum.py

```
# Declaring the number.
n = 4

# Finding square by multiplying them
# with each other
square = n * n

# Printing square
print(square)
```



QUESTION 5: Swap
Swappnum.py

```
a = float(input(" Please Enter the First Value a: "))
b = float(input(" Please Enter the Second Value b: "))

print("Before Swapping two Number: a = {0} and b = {1}".format(a, b))

temp = a
a = b
b = temp

print("After Swapping two Number: a = {0} and b = {1}".format(a, b))
```

OUTPUT: