Python programs
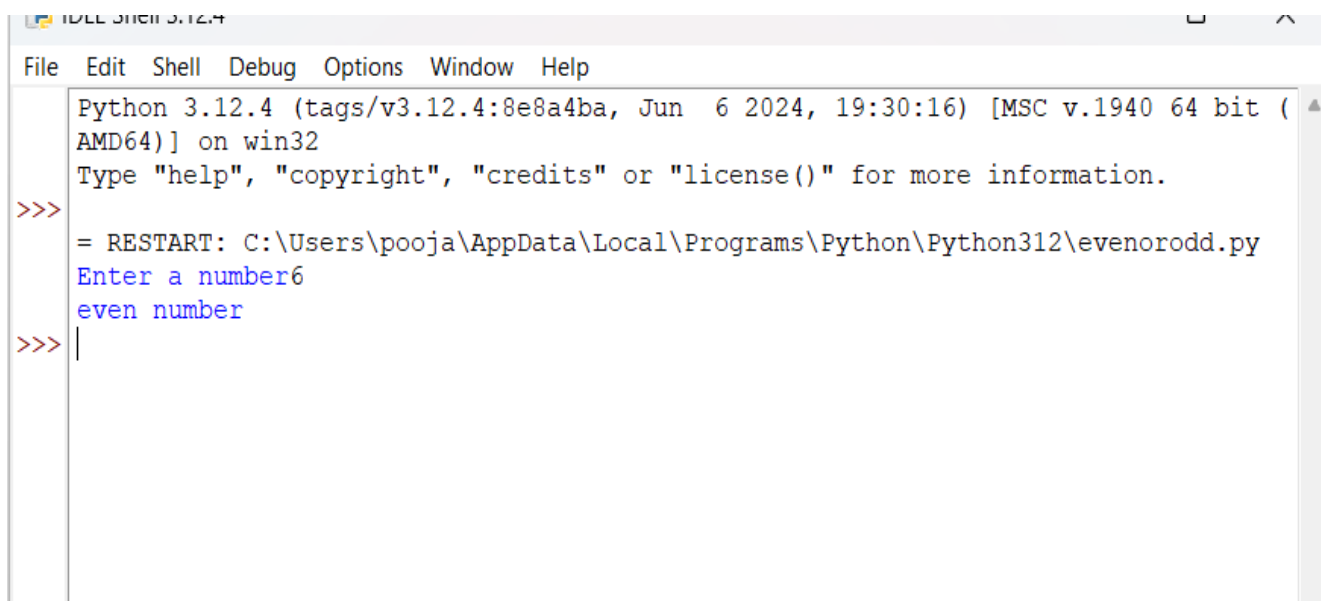
1. Python program to check the given number is odd or even?

Source code:

```
File   Edit   Format   Run   Options   Window   Help

=int(input("Enter a number"))
if(n%2==0):
        print("even number")
else:
        print("odd number")
```

Output:

```
IDLE Shell 3.12.4
File   Edit   Shell   Debug   Options   Window   Help
    Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun  6 2024, 19:30:16) [MSC v.1940 64 bit (
    AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    = RESTART: C:\Users\pooja\AppData\Local\Programs\Python\Python312\evenorodd.py
    Enter a number6
    even number
>>>
```

2. Python program to Biggest of three numbers?

Source code:

```python
n1=int(input("Enter a number"))
n2=int(input("Enter a number"))
n3=int(input("Enter a number"))
if(n1>n2 & n1>n3):
    print(n1)
elif(n2>n3):
    print(n2)
else:
    print(n3)
```

Output:

```
Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun  6 2024, 19:30:16) [MSC v.1940 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\pooja\AppData\Local\Programs\Python\Python312\biggest.py
Enter a number3
Enter a number8
Enter a number7
8
>>>
```

3.Python program to Multiple of two?

Source Code:

```
File  Edit  Format  Run  Options  Window  Help
n=int(input("enter a number"))
for i in range(1,10):
    print("multilication"{} * {}"of".format(n,i))
```

Output:

```
enter anumber:2
2*1 = 2
2*2 = 4
2*3 = 6
2*4 = 8
2*5 = 10
2*6 = 12
2*7 = 14
2*8 = 16
2*9 = 18
2*10 = 20
```

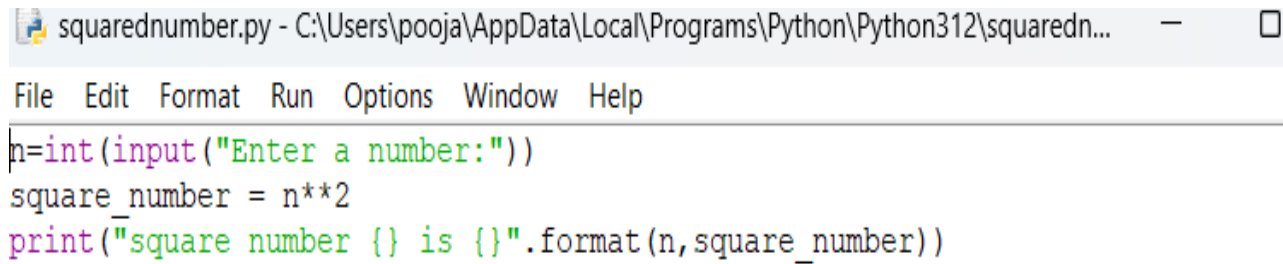# 4. Python program to check the given number is prime or not?

Source Code:

```python
num=int(input("Enter a number"))
if num==1:
    print("is not a prime number")
if num>1:
    for i in range(2,num):
        if num%2 == 0:
            print(num,"is not prime number")
            break
        else:
            print(num,"is not a prime number")
```

Output:

```
===================================================== RESTART: C
Enter a number8
8 is not prime number
```

5.Python program to square root of a number ?
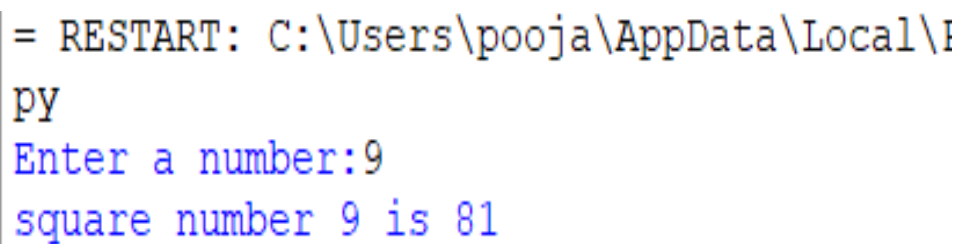
Source Code:

```
squarednumber.py - C:\Users\pooja\AppData\Local\Programs\Python\Python312\squaredn...    —    ☐

File  Edit  Format  Run  Options  Window  Help
n=int(input("Enter a number:"))
square_number = n**2
print("square number {} is {}".format(n,square_number))
```

Output:

```
= RESTART: C:\Users\pooja\AppData\Local\I
py
Enter a number:9
square number 9 is 81
```

6.Python program to Factorial of a number?

Source Code:

```
File   Edit   Format   Run   Options   Window   Help
n=int(input("enter a number"))
fact=1
for i in range(1,n+1):
    fact = fact*i
print(fact)
```

Output:

```
Type "help", "copyright", "credits" or "license()" for 
= RESTART: C:\Users\pooja\AppData\Local\Programs\Python
enter a number5
120
```

7.python program to print Fibonacci series?

Source Code:

```
File   Edit   Format   Run   Options   Window   Help
n=int(input("Enter a number"))
f1=0
f2=1
for i in range(n):
    f3=f1+f2
    print(f3)
    f1=f2
    f2=f3
```

Output:

```
= RESTART: C:\Users\pooja\AppData\Local\Progra
Enter a number7
1
2
3
5
8
13
21
>
```

8. python program to check given number is palindrome or not?

Source Code:

```
File  Edit  Format  Run  Options  Window  Help
n=int(input("Enter a number"))
rev=0
rem=0
temp=n
while(n>0):
    rem=n%10
    rev = rev*10 + rem
    n=n//10
print(rev)
if(temp==rev):
    print("palindrome")
else:
    print("not palindrome")
```

Output:

```
Type "help", "copyright", "credits" or "license()" for mo
->
= RESTART: C:\Users\pooja\AppData\Local\Programs\Python\P
Enter a number252
252
palindrome
->
```