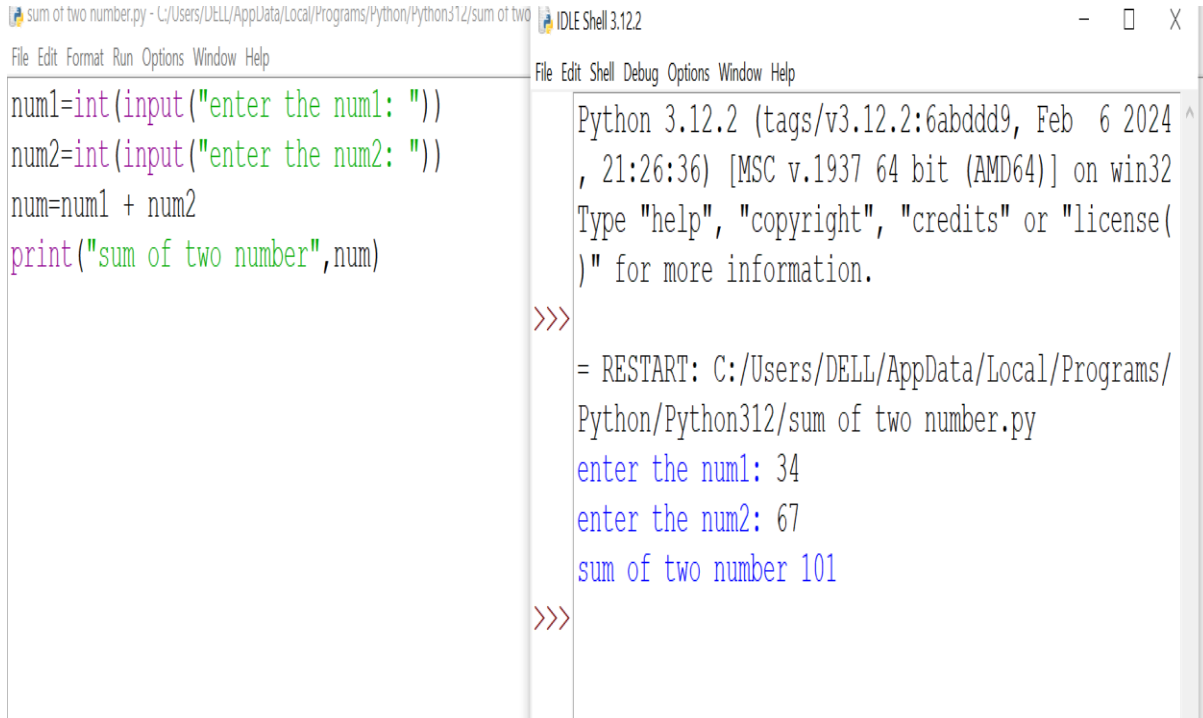


# Sum of two number



The screenshot shows a Python IDE with two windows. The left window, titled 'sum of two number.py', contains the following code:

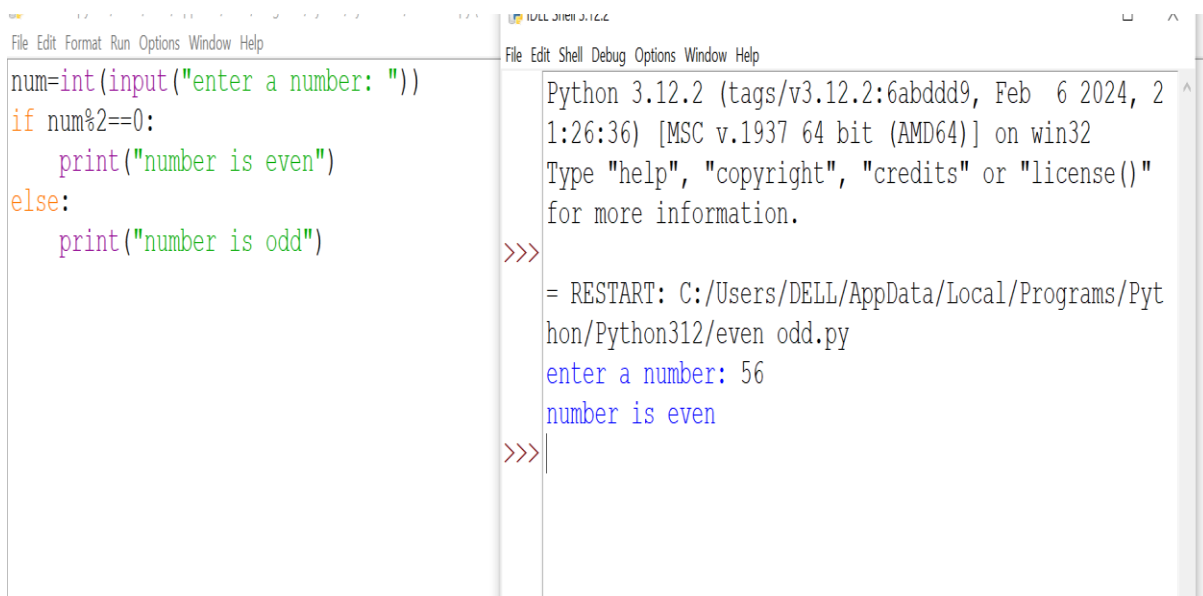
```
num1=int(input("enter the num1: "))
num2=int(input("enter the num2: "))
num=num1 + num2
print("sum of two number",num)
```

The right window, titled 'IDLE Shell 3.12.2', shows the program's execution. It starts with the Python version and system information, followed by a restart message. The user enters '34' for num1 and '67' for num2, and the program outputs 'sum of two number 101'.

```
Python 3.12.2 (tags/v3.12.2:6abddd9, Feb  6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
= RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python312/sum of two number.py
enter the num1: 34
enter the num2: 67
sum of two number 101
>>>
```

# Find odd and even number



The screenshot shows a Python IDE with two windows. The left window, titled 'even odd.py', contains the following code:

```
num=int(input("enter a number: "))
if num%2==0:
    print("number is even")
else:
    print("number is odd")
```

The right window, titled 'IDLE Shell 3.12.2', shows the program's execution. It starts with the Python version and system information, followed by a restart message. The user enters '56' for the number, and the program outputs 'number is even'.

```
Python 3.12.2 (tags/v3.12.2:6abddd9, Feb  6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
= RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python312/even odd.py
enter a number: 56
number is even
>>>
```

# Dictionaries

even odd.py - C:/Users/DELL/AppData/Local/Programs/Python/Python312/even odd.py (3.12.2)

File Edit Format Run Options Window Help

```
dict={"name":"ananya","branch":"cse","rollno.":49}  
dict["year"]="second"  
print(dict)
```

```
dict["rollno"]="2"  
print(dict)
```

```
dict.pop("branch")  
print(dict)
```

IDLE Shell 3.12.2

File Edit Shell Debug Options Window Help

Python 3.12.2 (tags/v3.12.2:6abddd9, Feb 6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python312/even odd.py

{'name': 'ananya', 'branch': 'cse', 'rollno.': 49, 'year': 'second'}

{'name': 'ananya', 'branch': 'cse', 'rollno.': 49, 'year': 'second', 'rollno': '2'}

{'name': 'ananya', 'rollno.': 49, 'year': 'second', 'rollno': '2'}

>>>

# Prime or not prime

prime.py - C:/Users/DELL/AppData/Local/Programs/Python/Python312/prime.py (3.12.2)

File Edit Format Run Options Window Help

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

IDLE Shell 3.12.2

File Edit Shell Debug Options Window Help

Python 3.12.2 (tags/v3.12.2:6abddd9, Feb 6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python312/prime.py

enter the number: 97

97 is a prime number

>>>

# Array

array.py - C:/Users/DELL/AppData/Local/Programs/Python/Python312/array.py (3.12.2)

File Edit Format Run Options Window Help

```
cars = ["Ford", "Volvo", "BMW"]
```

```
print(cars)
```

```
print(len(cars))
```

```
print(cars[0])
```

```
cars.append("defender")
```

```
print(cars)
```

IDLE Shell 3.12.2

File Edit Shell Debug Options Window Help

Python 3.12.2 (tags/v3.12.2:6abddd9, Feb 6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

```
= RESTART: C:/Users/DELL/AppData/Local/Programs/Python/Python312/array.py  
['Ford', 'Volvo', 'BMW']
```

```
3
```

```
Ford
```

```
['Ford', 'Volvo', 'BMW', 'defender']
```

>>>