

```
Python 3.13.5 (tags/v3.13.5:6cb20a2, Jun 11 2025, 16:15:46) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
Enter "help" below or click "Help" above for more information.mass=int(input("enter mass of an object: "))
.. velocity=int(input("enter velocity in meter per second: "))
.. a=mass*velocity
.. momentum=int(input(f"momentum of an object: {a}"))
.. print("momentum")
SyntaxError: invalid syntax
>>>
===== RESTART: Shell =====
===== RESTART: C:/Users/Faisal/Desktop/PRACTICAL1.py =====
enter mass of an object: 2
enter velocity in meter per second: 5
momentum of an object: 10
```

```
IDLE Shell 3.13.5
File Edit Shell Debug Options Window Help
Python 3.13.5 (tags/v3.13.5:6cb20a2, Jun 11 2025, 16:15:46) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
===== RESTART: C:/Users/Faisal/Desktop/PRACTICAL1.py =====
Enter number: 23
Square root of given number is 4.795031523312719
>>>
```

```
File Edit Format Run Options Window Help
import math

n = int(input("Enter number: "))
square = n * n

if 0 <= n < 10:
    print(f"Square of given number is {square}")

elif 10 <= n < 100:
    print(f"Square root of given number is {math.sqrt(n)}")

elif 100 <= n < 1000:
    print(f"Cube root of given number is {n ** (1/3)}")

else:
    print("Number out of range")
```

```
IDLE Shell 3.13.5
Python 3.13.5 (tags/v3.13.5:6cb20a2, Jun 11 2025, 16:15:46) [MSC v.1943 64 bit (AMD64)]
on win32
Enter "help" below or click "Help" above for more information.
>>>
===== RESTART: C:/Users/Faisal/Desktop/PRACTICAL1.py =====
enter bith year: 2007
enter monthly salary in rupees: 783425
Annual age of employee 19
annual salay in dollars: 113266.26506024097
>>>
```

```
PRACTICAL1.py - C:/Users/Faisal/Desktop/PRACTICAL1.py (3.13.5)
File Edit Format Run Options Window Help
from datetime import date
def calculate_age(bith_year):
    curent_year= date.today().year
    return curent_year- bith_year
def salary_in_dollars(monthly_salary):
    annual_salary=monthly_salary*12
    dollars=annual_salary/83
    return dollars
birth_year=int (input("enter bith year: "))
monthly_salary= float(input("enter monthly salary in rupees: "))
age= calculate_age(birth_year)
annual_salary_dollars=salary_in_dollars(monthly_salary)
print("Annual age of employee", age)
print("annual salay in dollars: ", annual_salary_dollars)
```

```
IDLE Shell 3.13.5
File Edit Shell Debug Options Window Help
Python 3.13.5 (tags/v3.13.5:6cb20a2, Jun 11 2025, 16:15:46) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
===== RESTART: C:/Users/Faisal/desktop/PRACTICAL1.py =====
enter number: 12345
reverse number is None
reverse_number 54321
>>>
Ln: 8 Col: 0
```

```
File Edit Format Run Options Window Help
def reverse_number(n):
    rev=0
    while n>0:
        digit =n%10
        rev=rev*10 +digit
        n=n//10
    n=int(input("enter number: "))
    result=reverse_number(n)
    print(f"reverse number is {result}")
    # method 2

reverse_number=int(str(n)[::-1])
print("reverse_number", reverse_number)
```