```python
mass=float(input("enter mass in kg : "))
velocity=float(input("enter velocity in m/s : "))
momentum=mass*velocity
print("momentum is : ",momentum)
```

EMS   DEBUG CONSOLE   TERMINAL   PORTS   GIT

ing configuration....

∨ TERMINAL

cat: /Users/pranaliahirrao/.rvm/VERSION: No such file or directory
pranaliahirrao@Pranalis-MacBook-Pro python1 % python3 assignment.py
enter mass in kg : 4
enter velocity in m/s : 4
momentum is : 16.0

```python
# python3 assignment.py
import math
n=int(input("number n : "))
if n%10==n:
    print("single digit number {n} - squar is : ",n**2)

elif n%100==n:
    print(f"doublke digit number {n} sqr root is : {math.sqrt(n):.2f}")

elif n%1000==n:
    print("three digit number cube root is : ",n**(1/3))
else:
    print("enter number must between o-999")
```

EMS   DEBUG CONSOLE   **TERMINAL**   PORTS   GIT

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ling configuration....
e loading configuration

∨ TERMINAL

pranaliahirrao@Pranalis-MacBook-Pro python1 % python3 assignment.py
number n : 81
doublke digit number 81 sqr root is : 9.00
● pranaliahirrao@Pranalis-MacBook-Pro python1 % python3 assignment.py
number n : 9900
enter number must between o-999
○ pranaliahirrao@Pranalis-MacBook-Pro python1 % █

```python
# python3 assignment.py
from datetime import datetime
def cal_age(birthdate):
    today=datetime.now()
    birthdate = datetime.strptime(birthdate,"%Y-%m-%d")
    return today.year-birthdate.year-((today.month,today.day)<(birthdate.month,birthdate.day))
def salary(sal,conversion_rate=82.5):
    return sal/conversion_rate


birthdate=input("enter birthdate (yyyy-mm-dd):")
sal=float(input("enter sal in ruppe : "))
age=cal_age(birthdate)
salary_in_dollar = salary(sal)
print("age : ", age)
print("slary iin $ ",salary_in_dollar)
```

```
IT
                                                    ∨ TERMINAL

                                                    cat: /Users/pranaliahirrao/.rvm/VERSION: No such file or directory
                                                  ● pranaliahirrao@Pranalis-MacBook-Pro python1 % python3 assignment.py
ing configuration....                               enter birthdate (yyyy-mm-dd):2007-05-07
  loading configuration                             enter sal in ruppe : 82500
                                                    age :  18
                                                    slary iin $  1000.0
```

```python
# python3 assignment.py
def reverse(a):
    rev=0
    while a>0:
        digit=a%10
        rev=rev*10+digit
        a//=10
    return rev

a=int(input("a : "))
print("ans is : ",reverse(a))
```

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OUTPUT

Filter

Loading configuration....
Done loading configuration

TERMINAL

cat: /Users/pranaliahirrao/.rvm/VERSION: No such file or directory
pranaliahirrao@Pranalis-MacBook-Pro python1 % python3 assignment.py
a : 123
ans is : 321
pranaliahirrao@Pranalis-MacBook-Pro python1 %