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code-1.py - C:/Users/Dell/Documents/code-1.py (3.11.2)
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import math
mass = float(input(20))
velocity = float(input(10))
momentum = mass*velocity
print(f"{momentum:.2f}kgm/s")
```

OUTPUT

```
===== RESTART: C:/Users/Dell/Documents/co
10
===== RESTART: C:/Users/Dell/Documents/co
20
===== RESTART: C:/Users/Dell/Documents/co
20
```

```
code-2.py - C:/Users/Dell/Documents/code-2.py (3.11.2)
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import math
number = int(input(20))
if 1<=number<=9:
    print(number **2)
elif 10 <= number<=99:
    print(f"{math.sqrt(number):.2f}")
elif 100<=number<=999:
    print(f"{math.cbrt(number):.2f}")
else:
    print("invalid")

|
```

OUTPUT

```
===== RESTART: C:/Users/Dell/Documents/code-2.py ==
7
===== RESTART: C:/Users/Dell/Documents/code-2.py ==
20
===== RESTART: C:/Users/Dell/Documents/code-2.py ==
20
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```

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code-3.py - C:/Users/Dell/Documents/code-3.py (3.11.2)
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from datetime import datetime
def calculate_age(birthdate):
    current_year = int(birthdate.split('-')[-1])
    current_year = datetime.now().year
    return current_year - birth_year

def convert_salary_to_dollars(salary_in_rupees):
    int_to_usd=0.012
    return salary_in_rupees * int_to_usd

birthdate=input("12-10-2007:")
salary_in_rupees + float(input(50000))
age = calculate_age(birthdate)
salary_in_dollars=convert_salary_to_dollars(salary_in_rupees)
print(f"Age:{age}")
print(f"Salary in dollars: {salary_in_dollars:.2f}")
```

```
code-4.py - C:/Users/Dell/Documents/code-4.py (3.11.2)
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num = int(input(1234))
reversed_num = int(str(num)[::-1])
print(reversed_num)
```

code-5.py - C:/Users/Dell/Documents/code-5.py (3.11.2)

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```
num = int(input(5))  
for i in range(1,11):  
    print(f"{num} x {i} = {num * i}")
```