```
a = 125
result = 0
rem = 0
co = 0

# a = 125
rem = a%10
result = result + rem
a = a//10

# a = 12
rem = a%10
result = result + rem
a = a//10

# a = 1
rem = a%10
result = result + rem
a = a//10

print('result : ',result)
```

```
    result :  8
```

How to read data dynamically from console ?

```
a = input('please enter your name : ')
print('a = ',a)
```

```
    please enter your name : venkat
    a =  venkat
```

```
a = input('enter data : ')
print(a, type(a))
```

```
    enter data : '500'
    '500' <class 'str'>
```

type conversion

```
a = '500'
print(a, type(a))
```

```
    500 <class 'str'>
```

```
a = '500'
print(a, type(a))
# apply int type conversion
a = int(a)
print(a, type(a))
```

```
    500 <class 'str'>
    500 <class 'int'>
```

```
a = '50.05'
print(a, type(a))
# apply float type conversion
a = float(a)
print(a, type(a))
```

```
    50.05 <class 'str'>
    50.05 <class 'float'>
```

```python
a = 'True'
print(a, type(a))
# apply boolean type conversion
a = bool(a)
print(a, type(a))
```

```
True <class 'str'>
True <class 'bool'>
```

```python
a = 500
print(a, type(a))
# apply string type conversion
a = str(a)
print(a, type(a))
```

```
500 <class 'int'>
500 <class 'str'>
```

```python
a = 50.05
print(a, type(a))
# apply string type conversion
a = str(a)
print(a, type(a))
```

```
50.05 <class 'float'>
50.05 <class 'str'>
```

```python
a = True
print(a, type(a))
# apply string type conversion
a = str(a)
print(a, type(a))
```

```
True <class 'bool'>
True <class 'str'>
```

```python
print('python' and 0 or True and False or 100 and -100)
```

```
-100
```

```python
a = 2816
print(a>>3)
```

```
352
```

```python
s = 'python'
# pythoN
print(s[::-1].title()[::-1])
```

```
pythoN
```

```python
s = 'python'
# Pyth@n
print(s.title().replace('o','@'))
```

```
Pyth@n
```

```python
print(s.replace('o','@').title())
```

```
Pyth@N
```

```python
s = 'python'
# PythonpythoN
s1 = s.title() + s[::-1].title()[::-1]
print(s1)
```

```
    PythonpythoN
```

```python
s = '9390018934python9390018934'
# python
print(s.strip('1234567890'))
```

```
    python
```

```python
s = 'python'
# P - Y - T - H - O - N
print(' - '.join(s.upper()))
```

```
    P - Y - T - H - O - N
```

```python
a = 254
# 2 * 5 * 4 ==> 40
res = 1

rem = a%10
res = res * rem
a = a//10

rem = a%10
res = res * rem
a = a//10

rem = a%10
res = res * rem
a = a//10

print('result :',res)
```

```
    result : 40
```

```python
a = 254
# 4444
# 55555
# 22
rem = a%10
print(str(rem)*rem)
a = a//10

rem = a%10
print(str(rem)*rem)
a = a//10

rem = a%10
print(str(rem)*rem)
a = a//10
```

```
    4444
    55555
    22
```

```python
a = 169

rem = a%10
print(str(rem)*rem)
a = a//10

rem = a%10
print(str(rem)*rem)
a = a//10
```

```python
rem = a%10
print(str(rem)*rem)
a = a//10
```

```
999999999
666666
1
```

✓ 0s   completed at 1:34 PM   ● ✕