-20242516 김란아 교재 2장 1절 코딩

```
3.4 # numeric literals
```

[1] ✓ 0.0s

```
3.4
```

```
10,-3
```

[2] ✓ 0.0s

```
(10, -3)
```

```
# variable
a =3 #assign value to variable a
a
```

[3] ✓ 0.0s

```
3
```

```
m, n = 10, 20
print(m,n)
```

[4] ✓ 0.0s

```
10 20
```

```
m,n = n,m
print(m,n)
```

[5] ✓ 0.0s

```
20 10
```

```
# var name
age = 19
age
```

✓ 0.0s

```
19
```

```
my_age = 20
my_age
```

✓ 0.0s

```
20
```

```
_height = 172.3
_height
```

✓ 0.0s

```
172.3
```

```
_26asign = 2026
_26asign
```

✓ 0.0s

```
2026
```

```
26worldcup = 2026
File "<string>", line 1
```

⊗ 0.0s

```python
#int a
a=10
print(a)
```

✓ 0.0s

```
10
```

```python
type(a)
```

✓ 0.0s

```
int
```

```python
# flaot
x=2.718
print(x)
```

✓ 0.0s

```
2.718
```

```python
type(x)
```

✓ 0.0s

```
float
```

```python
# complex
c= 3-4j
print(c)
```

```python
# string
s="VS code"
print(s)
```

✓ 0.0s

```
VS code
```

```python
# logical
b= True
print(b)
```

✓ 0.0s

```
True
```

```python
#import datetime as dt
c= dt.datetime.now()
print(c.year, c.month, c.day)
```

⊗ 0.4s

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[18], line 2
      1 #import datetime as dt
----> 2 c= dt.datetime.now()
      3 print(c.year, c.month, c.day)

NameError: name 'dt' is not defined
```

```python
10+4.3
```

✓ 0.0s

```
10+4.3
```

✓ 0.0s

```
14.3
```

```
5.4-1.2
```

✓ 0.0s

```
4.2
```

```
4*2.7
```

✓ 0.0s

```
10.8
```

```
10/4
```

✓ 0.0s

```
2.5
```

```
10%3
10//3
```

✓ 0.0s

```
3
```

```
3**3
```

✓ 0.0s

```
27
```

```
2**2.8
```

✓ 0.0s

```
6.964404506368992
```

```
3*(4-2)
```

✓ 0.0s

```
6
```

```
(10-3)**2
```

✓ 0.0s

```
49
```

```
True & False
```

✓ 0.0s

```
False
```

```
True | True
```
✓ 0.0s

```
True
```

```
not True
```
✓ 0.0s

```
False
```

```
not False
```
✓ 0.0s

```
True
```

```
year = input ("당신이 태어난 년도는?")
```
✓ 4.8s

```
print(year)
```
✓ 0.0s

```
2007
```

```
age=2026-int(year)
print('나이', age)
```
✓ 0.0s

```
나이 19
```

```
abs(-3)
```

✓ 0.0s

```
3
```

```
min(10,20,1)
```

✓ 0.0s

```
1
```

```
max(10,100,1)
```

✓ 0.0s

```
100
```

```
min([10,11,12])
```

✓ 0.0s

```
10
```

```
max([10,11,12])
```

✓ 0.0s

```
12
```

```
round(3.1415)
```

✓ 0.0s

```
m.sqrt(4)
```

⊗ 0.0s

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
Cell In[42], line 1
----> 1 m.sqrt(4)

AttributeError: 'int' object has no attribute 'sqrt'
```

```
cars =data('cars')
cars
```

⊗ 0.0s

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[43], line 1
----> 1 cars =data('cars')
      2 cars

NameError: name 'data' is not defined
```

교재 2장 2절 코딩

```
n= 20
if n%2==0:
```

```
  Cell In[1],   line 2
    if n%2==0:
              ^
SyntaxError: incomplete input
```

```
n=21
if n%2==0:
```

```
  Cell In[2],   line 2
    if n%2==0:
              ^
SyntaxError: incomplete input
```

```
point = 92
if (90<=point):
    print('A')
elif (80<= point):
    print('B')
elif (70<= point):
    print('C')
elif (60<= point):
    print('D')
else:
    print('F')
```

A

```
value ="apple"
match value:
    case 'apple':
        result = "사과"
    case 'banana':
        result = "바나나"

    print(result)
```

```
  Cell In[4],   line 8
    print(result)
    ^
SyntaxError: invalid syntax
```

```
value ="mango"

match value:
    case 'apple':
        result = "사과"
    case 'banana':
        result = "바나나"
    case _:
        result = None
```

```python
value ="mango"

match value:
    case 'apple':
        result = "사과"
    case 'banana':
        result = "바나나"
    case _:
        result = None
```

```python
print(result)
```

```
None
```

```python
for x in range(1,6):
    print(x)
```

```
1
2
3
4
5
```

```
num=[10,20,30,40]
for i in num:
    print(i)
```

[ ]

```
10
20
30
40
```

```
print(sum)
```

[ ]

```
def hello():
    print('Hello, Python!')
```

[10] ✓ 0.0s

```
hello()
```

[11] ✓ 0.0s

```
Hello, Python!
```

```
hello
```

[12] ✓ 0.0s

```
<function __main__.hello()>
```

```
def hi(one):
    print('안녕,',one)
```

✓ 0.0s

```
hi('영희')
```

✓ 0.0s

```
안녕, 영희
```

```
h1
```

⊗ 0.0s

```
---------------------------------------------------
NameError                                 Traceba
Cell In[15], line 1
----> 1 h1

NameError: name 'h1' is not defined
```

```
str(hi)
```

✓ 0.0s

```
'<function hi at 0x0000025CA1006200>'
```

```
def hi (one='친구들'):
    print('안녕',one)
```

✓ 0.0s

```
def hi(one):
    print('안녕,',one)
```

✓ 0.0s

```
hi('영희')
```

✓ 0.0s

```
안녕, 영희
```

```
h1
```

⊗ 0.0s

```
---------------------------------------------------
NameError                                 Traceba
Cell In[15], line 1
----> 1 h1

NameError: name 'h1' is not defined
```

```
str(hi)
```

✓ 0.0s

```
'<function hi at 0x0000025CA1006200>'
```

```
def hi (one='친구들'):
    print('안녕',one)
```

✓ 0.0s

```
[18]
hi()
✓ 0.0s
... 안녕 친구들

[19]
hi('철수')
✓ 0.0s
... 안녕 철수

[20]
import math as m
def circle_area(r=1):
    print(m.pi*r**2)
✓ 0.0s

[21]
circle_area()
✓ 0.0s
... 3.141592653589793

[22]
circle_area(4.5)
✓ 0.0s
... 63.61725123519331

[23]
circle_area(r=5.6)
✓ 0.0s
```

```
print(circle_area(r=7.2))
```

✓ 0.0s

```
162.8601631620949
None
```

```
import matb as m
def circle_area(r=1):
    return m.pi*r**2
```

⊗ 0.0s

```
---------------------------------------------------------------
ModuleNotFoundError                       Traceback (most
Cell In[25], line 1
----> 1 import matb as m
      2 def circle_area(r=1):
      3     return m.pi*r**2

ModuleNotFoundError: No module named 'matb'
```

```
import matb as m
def circle_area(r=1):
```

⊗ 0.0s

```
  Cell In[26],   line 3

    ^
SyntaxError: incomplete input
```

```
def sum_sub(x,y):
    hap = x+y
    cha =x-y
    return hap, cha
```

27] ✓ 0.0s

```
sum_sub(10,3)
```

28] ✓ 0.0s

```
(13, 7)
```

```
sum_sub(x=10, y=3)
```

29] ✓ 0.0s

```
(13, 7)
```

```
import math as m
(lambda a, b: m.sqrt(a**2 +b**2))(3,4)
```

30] ✓ 0.0s

```
5.0
```