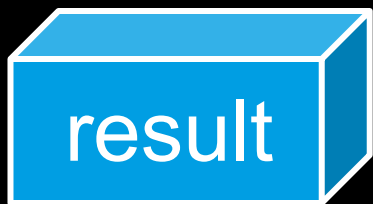
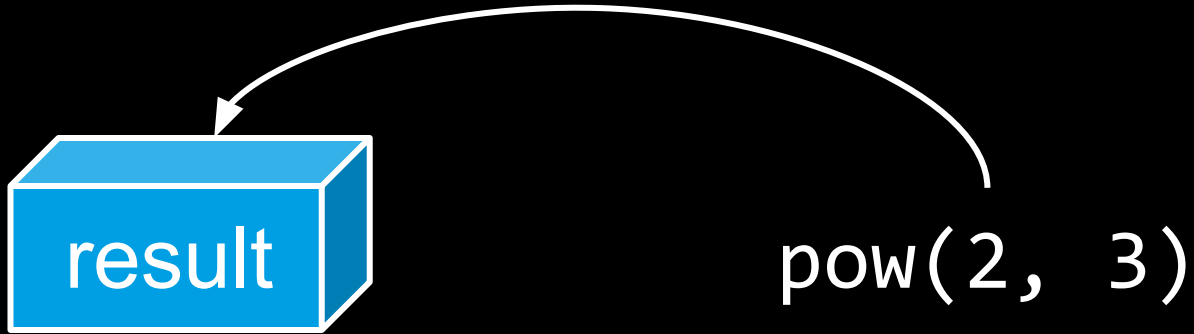
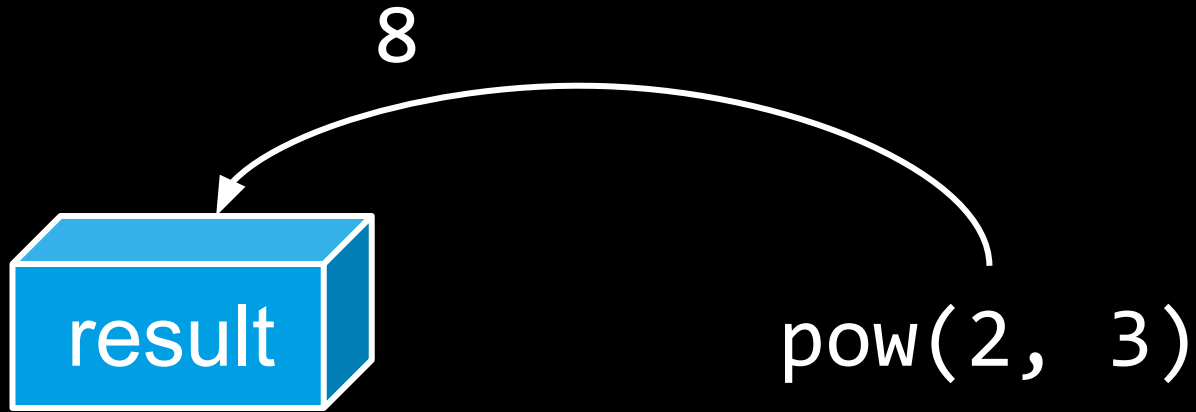


VARIABLES AND DATA TYPES

[BACK](#)








```
exp = 4  
result = pow(2, exp)
```

 = 4

result = pow(2, )

 = 4

result = pow(2, )

```
exp = 4  
result = pow(2, exp)  
print(result)
```


operators

math

$$5 + 5$$

$$9 - 8$$

$$2 / 1$$

$$6 * 7$$

$$5 // 2$$

$$10 \% 3$$

$$2^{**}3$$

logic

$2 == 1$

$2*2 > 1+3$

$2*2 >= 1+3$

"A" < "B"

"A" < "B" and $2 == 1$

"A" < "B" or $2 == 1$

data types

integer

float

boolean

string

```
strip()  
capitalize()  
title()
```

format strings

```
print(f"Hello {name}")
```

comments

step 1: determine exponent

step 2: calculate power

step 3: print result

problem solving → problem decomposition

step 1: determine exponent

step 2: calculate power

step 3: print result

```
# step 1: determine exponent
```

```
exp = 4
```

```
# step 2: calculate power
```

```
# step 3: print result
```

```
# step 1: determine exponent
```

```
exp = 4
```

```
# step 2: calculate power
```

```
result = pow(2, exp)
```

```
# step 3: print result
```

```
# step 1: determine exponent
```

```
exp = 4
```

```
# step 2: calculate power
```

```
result = pow(2, exp)
```

```
# step 3: print result
```

```
print(result)
```