Chapter A

（察するPython入門）

A01

A010

```
print("hello")
```

```
hello
```

A011

```
print('hello')
```

```
hello
```

A012

```
print('The sign says, "Hello, World!"')
```

```
The sign says, "Hello, World!"
```

A013

```
print("The sign says, "Hello, World!"")
```

(error)

```
print("The sign says, "Hello, World!"")
                      ^
SyntaxError: invalid syntax
```

A014

```
print("The sign says, \"Hello, World!\"")
```

```
The sign says, "Hello, World!"
```

A015

```
print("hello, " + "world!")
```

```
hello, world!
```

A016

```
print("1 + 1 = " + "2")
```

```
1 + 1 = 2
```

A017

```
print("1 + 1 = " + 2)
```

(error)

```
---------------------------------------------------------------------------
...
----> 1 print("1 + 1 = " + 2)

TypeError: can only concatenate str (not "int") to str
```

A02

A020

```
print(2 + 3)
```

```
5
```

A021

```
print(2 - 3)
```

```
-1
```

A022

```
print(2 * 3)
```

```
6
```

A023

```
print(2 / 3)
```

```
0.6666666666666666
```

A024

```
print(2 // 3)
```

```
0
```

A025

```
print(11 // 3)
```

```
3
```

A026

```
print(11 % 3)
```

```
2
```

A027

```
print(type(11 / 3))
```

```
float
```

A028

```
print(type(11 // 3))
```

```
int
```

A03

A030

```
print("1 + 1 = " + (1 + 1))
```

(error)

```
---------------------------------------------------------------------
-
```

```
    ...
    ----> 1 print("1 + 1 = " + (1 + 1))

    TypeError: can only concatenate str (not "int") to str
```

A031

```
print("1 + 1 = " + str(1 + 1))
```

```
1 + 1 = 2
```

A032

```
print(f"1 + 1 = {1 + 1}")
```

```
1 + 1 = 2
```

A04

A040

```
your_name = "Taro"

print("Hello, " + your_name + "-san!")
```

```
Hello, Taro-san!
```

A041

```
your_name = "Taro"

print(f"Hello, {your_name}-san!")
```

```
Hello, Taro-san!
```

A042

```
num1 = 2
num2 = 3

print(f"{num1} + {num2} = {num1 + num2}")
```

```
2 + 3 = 5
```

A043

```
print(num100)
```

(error)

```
---------------------------------------------------------------------------
_
...
----> 1 print(num100)

NameError: name 'num100' is not defined
```

A044

```
x = 1
y = 2 * x + 1

print(y)
```

```
3
```

A045

```
t = 2 * s + 1

s = 1
print(t)
```

(error)

```
----------------------------------------------------------------------------
...
----> 1 t = 2 * s + 1
      2
      3 s = 1
      4 print(t)

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

A046

```
x = 1
y = 2 * x + 1

print(y)

y = 3 * x + 5
```

```
3
```

A05

A050

```
your_name = input("your name: ")

print(f"Hello, {your_name}-san!")
```

```
your name: Taro↵
Hello, Taro-san!
```

A051

```
num1 = input("num1: ")
```

```
print(num1 + 1)
```

(error)

```
num1: 5↵
```

```
---------------------------------------------------------------------------
...
      1 num1 = input("num1: ")
      2
----> 3 print(num1 + 1)

TypeError: can only concatenate str (not "int") to str
```

A052

```
num1 = int(input("num1: "))

print(num1 + 1)
```

```
num1: 5↵
6
```

A053

```
num1 = float(input("num1: "))

print(num1 + 1)
```

```
num1: 5.3↵
6.3
```

A054

```
num1 = input("num1: ")

print(type(num1))
```

```
num1: 5↵
string
```

A055

```
num1 = int(input("num1: "))
num2 = int(input("num2: "))

print(f"num1 + num2 = {num1} + {num2} = {num1 + num2}")
```

```
num1: 2↵
num2: 3↵
num1 + num2 = 2 + 3 = 5
```