



CS310 Computer Programming I

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Learning Outline

Output in Python

01.

02.

Output Formatting in Python

Input Statement/
Getting Data from user

03.

04.

Class Activity



01.

Print Output in Python

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Print Output in Python

There are several ways to format output using String Method in Python

- Print String, Number in Python
- Print Single and Multiple variable in Python
- Using sep and end parameter

Print Output Examples

Print String, Number in Python

```
print("Hello, World!")
print(26,8,2567
```

Print Single and Multiple variable in Python

```
name = "Sirinthorn"
age = 30
print("Name:", name, "Age:", age)
```

Using sep and end parameter

```
# end Parameter with '@'
print("CS310", end='@')
print("Computer Programming I")
# Separating with Comma
print('26', '08', '2567', sep='-')
```

02.

Output Formatting

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Output Formatting



- Using String Modulo Operator(%)
- Using Format Method
- Using The String Method (***)
- Python's Format Conversion Rule



Output Formatting



- String Formatting (.format() method)
- Formatted String Literals (f-strings) (Python 3.6+)
- Old-style String Formatting (% operator): This method is less preferred in newer Python code but still works
 - %d –integer
 - %f float
 - %s string
 - %x –hexadecimal
 - %o octal

Output Formatting Examples

1

```
name = "Sirinthorn"
age = 30
print("Name: {}, Age: {}".format(name, age))
# Output: Name: Sirinthorn, Age: 30
```

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format method

2

```
name = "Sirinthorn"
age = 30
print(f"Name: {name}, Age: {age}")
# Output: Name: Sirinthorn, Age: 30
```

f-strings

3

```
name = "Sirinthorn"
age = 30
print("Name: %s, Age: %d" % (name, age))
# Output: Name: Sirinthorn, Age: 30
```

Old-style string

To Format a floating-point number

1

```
value = 3.14159
print("{:.2f}".format(value))
# Output: 3.14
```

Using format method

2

```
value = 3.14159
print(f"{value:.2f}")
# Output: 3.14
```

Using f-strings

3

```
value = 3.14159
print("Output: %0.2f"%(value))
# Output: 3.14
```

Using Old-style string

Class Activity

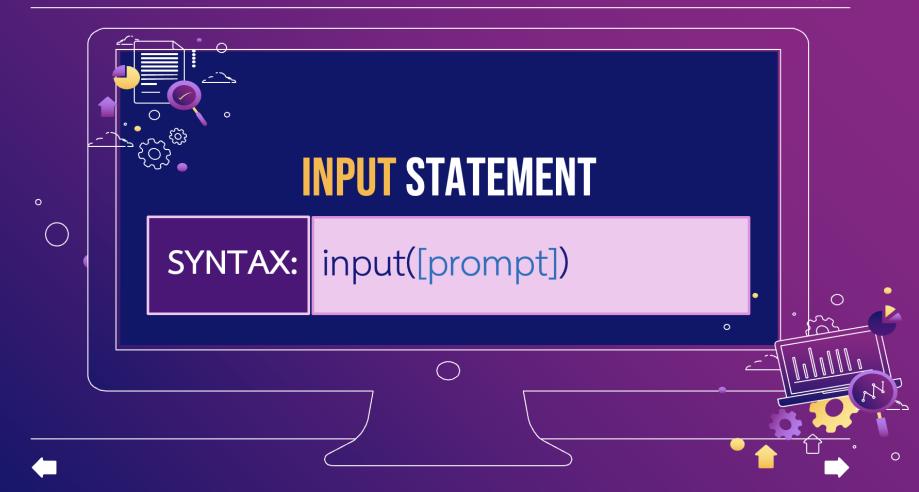


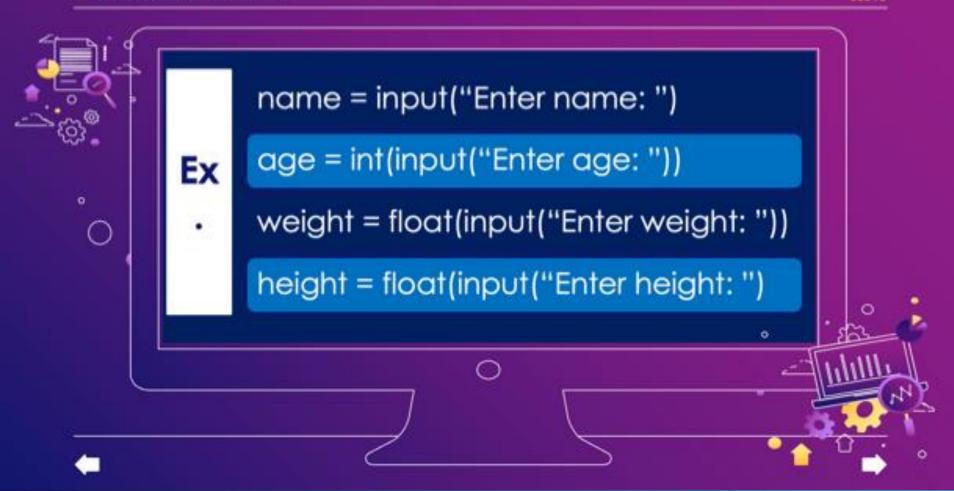


Product	Price
Apple	2.20
Banana	3.80
Cherry	3 . 75

O3 INPUT • STATEMENT

PYTHON PROGRAMMING LANGUAGE





```
# Taking input from the user
num = int(input("Enter a value: "))
cal = num + 5 - 2
# Output
print(f"The number is {num}, The result is {cal}")
# taking three inputs at a time
num1, num2, num3 = input("Enter three values: ").split()
# Output
print("The first input : ", num1)
print("The second input : ", num2)
print("The third input : ", num3)
```

Name : Sirinthorn Cheyasak

Height : 173.0 CM

Weight : 65.0 KG

Your BMI : 21.72

***เปลี่ยนเป็นข้อมูลของนักศึกษาทั้ง ชื่อ-นามสกุล ส่วนสูง และน้ำหนัก สำหรับ BMI ใช้สูตรคำนวณเท่านั้น

LAB1

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Any question?

You can contact me

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MS Team Chat