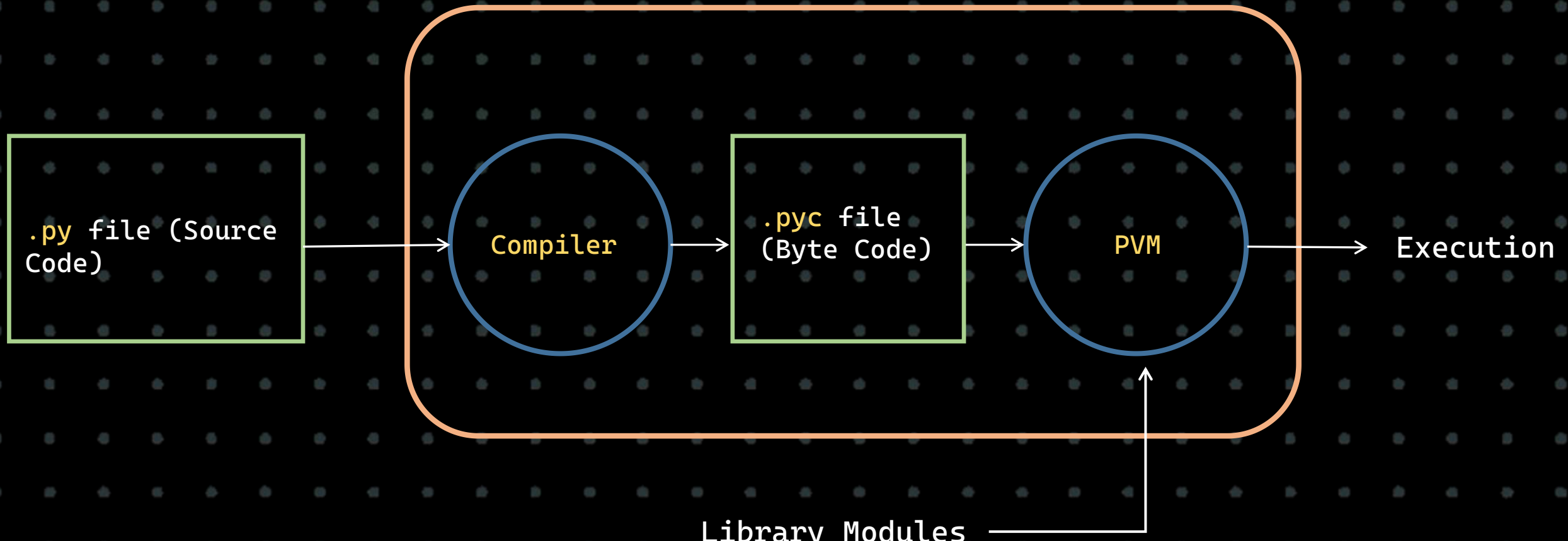
Python Syntax and Comments

Python file execution

Python is little bit similar to Java with respect to execution procedure



Python is multi-natural programming language contains both - procedural and object oriented programming with very simple syntax.

- no use of semicolon
- less declaration
- near to algorithmic syntax
- Indentation required
- easy to debug

index.py > ...

```
1  for i in range(10):
2      print("i am iron man")
3
4
5
```

index.py

```
1  print("hello world")
2
3
```

Swapping Program in C

index.c > main()

```c
#include<stdio.h>

void main(){
    int a=2, b=3, temp;
    printf("Before swapping: ");
    printf("\n");
    printf("a is : %d and b is : %d \n",a,b);
    temp = a;
    a = b;
    b = temp;
    printf("After swapping: ");
    printf("\n");
    printf("a is : %d and b is : %d",a,b);
}
```

Swapping Program in Python

index.py > ...

```python
a,b = 2,3
print("Before swapping: \n a is :",a,"and b is :",b)
b,a = 3,2
print("After swapping: \n a is :",a,"and b is :",b)

```

```
C:\Users\Your Name>python myfile.py
```

Inline Comments

Example

```
print("Hello, World!") #This is a comment
```

Example

```
#print("Hello, World!")
print("Cheers, Mate!")
```

Multiline Comments

Example

```
#This is a comment
#written in
#more than just one line
print("Hello, World!")
```

Example

```
"""
This is a comment
written in
more than just one line
"""
print("Hello, World!")
```

See you on **Next Day**