Review Python

```
print("Hello World")
```

```
Hello World
```

```
name = "Ben" #variable
age = 31
```

```
print(name)
print(age)
print(2*55)
```

```
Ben
31
110
```

```
#string in python
my_name = "ben"
my_school = 'TU'
my_long_string = """i am thirty one years old
second line
thrid line"""

print(my_name,my_school,my_long_string)
```

```
ben TU i am thirty one years old
second line
thrid line
```

```
#fstring template
text = f"my name is{my_name}, and i am {age} years old "
print(text)
```

```
my name isben, and i am 31 years old
```

```
# fuction for string (string methods)
text = "once upon a time"
print(text.upper(),
      text.lower(),
      text.count('o'),
      text.replace('once','twice'))
```

```
ONCE UPON A TIME once upon a time 2 twice upon a time
```

```
# List with []
shopping_list = ['egg','mike','bread']
print(shopping_list)
```

```
['egg', 'mike', 'bread']
```

```
print(shopping_list[0:2])
```

```
['egg', 'mike']
```

```
#list method : append
shopping_list.append('orange juice')
shopping_list
```

```
['egg', 'mike', 'bread', 'orange juice']
```

```
# list method : remove .pop()
shopping_list.pop()
shopping_list
```

```
['egg', 'mike', 'bread']
```

```
len(shopping_list)
```

```
3
```

```
# dictionary key-value pair
student = {
    "id":1,
    "name":"ben",
    "class":10,
    "movie":["hp","spider-man","toy story"]
}
```

```
type(student)
```

```
dict
```

```
student['name']
```

```
'ben'
```

```
student['movie'][2]
```

```
'toy story'
```

```
#append new data
student['city']='London'
student
```

```
{'id': 1,
 'name': 'ben',
 'class': 10,
 'movie': ['hp', 'spider-man', 'toy story'],
 'city': 'London'}
```

```
#update value
student['city']='Manchester'
student
```

```
{'id': 1,
 'name': 'ben',
 'class': 10,
 'movie': ['hp', 'spider-man', 'toy story'],
 'city': 'Manchester'}
```

```
#remove key-value
del student['city']
student
```

```
{'id': 1,
 'name': 'ben',
 'class': 10,
 'movie': ['hp', 'spider-man', 'toy story']}
```

```
#user-defined funciton
def hello():
    print("hello")
    print("i am learning python")
hello()
```

```
hello
i am learning python
```

```
#user-defined funciton
def hello2(username):
    print("hello "+username)
    print("i am learning python")
hello2("ben")
```

```
hello ben
i am learning python
```

```
#user-defined funciton
def minus(var1,var2):
    return var1-var2
minus(10,5)
```

```
5
```

```
#OOP
class dog:
    name = "ben"
    age = 5
    specie = "Siberian"
    color = "White"
    # function (Dog method)
    def sitting(self):
        print("I am sitting now!")
    def eating(self,food_name):
        print(f"I am eating {food_name}")
```

```
my_dog = dog()
type(my_dog)
```

```
__main__.dog
```

```
my_dog.sitting()
```

```
I am sitting now!
```

```
my_dog.eating("pizza")
```

```
I am eating pizza
```