Python Interview Questions

1. What is python?
   - Python is high level programming language and interpreter language and general-purpose language.

2. What is b/t interpreter and compiler?
   - The interpreter executes the code line by line in case if their error occurs it is not executing the other line of the code.
   - The compiler executes the hole code at a time incase if there are any errors that occur it skips that line and executes the other line.

3. Is Python interpreter language? If so, explain?
   - Yes, the python is interpreter language because it executes the code line by line.

4. What is datatype? What are datatypes in python?
   - A variable is a container used to store values, and the kind of value it holds is defined by its data type.
   - Primitive Data Types: int,float,str,bool,None.
   - Non-Primitive Data Types: list , tuple, dict, set.

5. What is list? Give an example of that?
   - List is collection of sequence data, and it is denoted by "[]".
   - Ex: list = ["33","55","99","88","77"]

     print(list)
     print(type(list)

6. What is a tuple and example of that?
   - The tuple is a collection of sequence of data, and it is denoted with the "()".
   - It is immutable.
   - Ex: tuple = ("str","are","the","is","A","and")

     print(tuple)
     print(type(tuple))

7. What is dict and give example of that?
   - It is built in datatype the python is used to store key: value :pairs
   - Ex: student = {

```
"name": "Sriram",
"age": 23,
"branch": "MCA",
"is_graduated": False
}
```

8. **Difference Between Mutable and Immutable Data Types?**
    o A mutable data type can be changed after it is created, and we can modify the data.
    o An immutable data type cannot be changed once it is created.

9. **Difference Between List and Tuple?**
    o List: list is mutable, denoted with the "[ ]".
    o Tuple: tuple is immutable, denoted with the "( )".

10. **How do you modify a list?**
    o We can modify the list by using
    o append() → Add item at end
    o insert() → Add item at a specific index
    o extend() → Add multiple items from another list
    o remove() → Removes first matching value
    o pop() → Removes item at index (default: last)
    o clear() → Empties the entire list
    o sort()
    o reverse()

11. **Difference between append, Insert, pop and pop(index)?**
    o append() → Add item at end
    o insert() → Add item at a specific index
    o pop() → Removes item at index (default: last)
    o pop(i) → Removes item at given index.

12. **How to Update a Dictionary in Python?**
    o Change the Value of an Existing Key
      Ex: student = {"name": "Srii", "age": 20}
          student["age"] = 21
          print(student)   # {'name': 'Srii', 'age': 21}
    o Add a New Key-Value Pair
      Ex: student["college"] = "KL University"
```

```
    print(student)
    # {'name': 'Srii', 'age': 21, 'college': 'KL University'}
o  Using update() Method
    Ex: student.update({"age": 22, "branch": "CSE"})
        print(student)
    # {'name': 'Srii', 'age': 22, 'college': 'KL University', 'branch': 'CSE'}
o  Using Variables with update()
    Ex: new_data = {"year": 3, "status": "Active"}
        student.update(new_data)
```

13. Example of a Nested Dictionary for Electronics?

```
o   Resturents = {
o           "R_name":"Nawabs",
o           "location":"jubilee Hills",
o           "famous":"mutton",
o           "non_veg":{
o               "chicken_items": {
o                   "biriyanis":["Dum","fry","mugalia","pot","france","e
    gg"],
o                   "Starters":["dragon","chilli","lolipop","chicken65",
    "tandoori"],
o                   "soups":["soup1","soup2","soup3","soup4","soup5"]
o               },
o                   "muttoon_items": {
o                       "biriyanis":["Dum","fry","mugalia","pot","france
    ","egg"],
o                       "Starters":["dragon","chilli","lolipop","chicken
    65","tandoori"],
o                       "soups":["soup1","soup2","soup3","soup4","soup5"
    ]
o
o                   },
o                   "fish_items": {
o                       "biriyanis":["Dum","fry","mugalia","pot","france
    ","egg"],
o                       "Starters":["dragon","chilli","lolipop","chicken
    65","tandoori"],
o                       "soups":["soup1","soup2","soup3","soup4","soup5"
    ]
o                   },
o                   "france_items": {
```

```json
                        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]
                }

        },
        "veg":{
                "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
                "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
                "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"shadab",
        "location":"charminar",
        "famous":"mutton",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
                "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                "muttoon_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"
]

                },
                "fish_items": {
```

```
                      "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                      "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                      "soups":["soup1","soup2","soup3","soup4","soup5"
]
              },
          "france_items": {
                  "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                  "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                  "soups":["soup1","soup2","soup3","soup4","soup5"
]
              }

    },
    "veg":{
        "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
        "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
        "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

    },
    "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

  },
  {
    "R_name":"naidu gari kunda biriyani",
    "location":"kphb",
    "famous":"pot biriyani",
    "non_veg":{
        "chicken_items": {
            "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
            "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
            "soups":["soup1","soup2","soup3","soup4","soup5"]
        },
            "muttoon_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
```

```
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]

                    },
                    "fish_items": {
                        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    },
                    "france_items": {
                        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
            "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
            "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"platform 65",
        "location":"kphb",
        "famous":"chicken biriyani",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
```

```
        "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
        "soups":["soup1","soup2","soup3","soup4","soup5"]
    },
    "muttoon_items": {
        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
        "soups":["soup1","soup2","soup3","soup4","soup5"
]

    },
    "fish_items": {
        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
        "soups":["soup1","soup2","soup3","soup4","soup5"
]
    },
    "france_items": {
        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
        "soups":["soup1","soup2","soup3","soup4","soup5"
]
        }

    },
    "veg":{
        "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
        "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
        "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

    },
    "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
```

```json
        "R_name":"paradise",
        "location":"secunderabad",
        "famous":"halim",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                "muttoon_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]

                },
                "fish_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
                },
                "france_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
                }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","Gobi","minty_paneer"],
            "Starters":["paneer_tika","gobi_manchuria","stuffed_mushroom","babycorn","aloo_tikki"],
            "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn","carrot_ginger"]
```

```python
        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    }

print(Resturents)
print(len(Resturents))
print(Resturents[0]["R_name"])
print(Resturents[1]["R_name"])
print(Resturents[2]["R_name"])
print(Resturents[3]["R_name"])
print(Resturents[4]["R_name"])
print(Resturents[0]["location"])
print(Resturents[1]["location"])
print(Resturents[2]["location"])
print(Resturents[3]["location"])
print(Resturents[4]["location"])
print(Resturents[0]["famous"])
print(Resturents[1]["famous"])
print(Resturents[2]["famous"])
print(Resturents[3]["famous"])
print(Resturents[4]["famous"])
print(Resturents[0]["non_veg"])
print(Resturents[1]["non_veg"])
print(Resturents[2]["non_veg"])
print(Resturents[3]["non_veg"])
print(Resturents[4]["non_veg"])
print(Resturents[0]["non_veg"]["chicken_items"])
print(Resturents[1]["non_veg"]["chicken_items"])
print(Resturents[2]["non_veg"]["chicken_items"])
print(Resturents[3]["non_veg"]["chicken_items"])
print(Resturents[4]["non_veg"]["chicken_items"])
print(Resturents[4]["veg"],["Starters"])
print(Resturents[0]["rotis"])
print(Resturents[0]["non_veg"]["chicken_items"]["soups"][2])
print(Resturents[1]["non_veg"]["chicken_items"]["soups"][2])
print(Resturents[2]["non_veg"]["chicken_items"]["soups"][2])
print(Resturents[3]["non_veg"]["chicken_items"]["soups"][2])
print(Resturents[4]["non_veg"]["chicken_items"]["soups"][2])
print(Resturents[1]["veg"]["biriyanis"][1])
print(Resturents[0]["veg"]["Starters"][1])
print(Resturents[1]["non_veg"]["muttoon_items"]["Starters"][2])
```

14. Write a List of dictionaries?

```
Resturents = [
    {
        "R_name":"Nawabs",
        "location":"jubilee Hills",
        "famous":"mutton",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                "muttoon_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
                    ]

                },
                "fish_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
                    ]
                },
                "france_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
                    ]
                }

            },
            "veg":{
                "biriyanis":["mushroom","paneer","veg_mix","veg_palav","Gobi","minty_paneer"],
```

```
                "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
                "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"shadab",
        "location":"charminar",
        "famous":"mutton",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
                "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                "muttoon_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"
]

                },
                "fish_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"
]
                },
                "france_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
```

```json
                            "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
            "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
            "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"naidu gari kunda biriyani",
        "location":"kphb",
        "famous":"pot biriyani",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
                "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                "muttoon_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"
]

                },
                "fish_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                    "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
```

```
                            "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    },
                    "france_items": {
                            "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                            "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                            "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
            "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
            "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"platform 65",
        "location":"kphb",
        "famous":"chicken biriyani",
        "non_veg":{
            "chicken_items": {
                    "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
                    "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
                    "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
                    "muttoon_items": {
                            "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                            "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                            "soups":["soup1","soup2","soup3","soup4","soup5"
]
```

```
                    },
                    "fish_items": {
                        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    },
                    "france_items": {
                        "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                        "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                        "soups":["soup1","soup2","soup3","soup4","soup5"
]
                    }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
            "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
            "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    },
    {
        "R_name":"paradise",
        "location":"secunderabad",
        "famous":"halim",
        "non_veg":{
            "chicken_items": {
                "biriyanis":["Dum","fry","mugalia","pot","france","e
gg"],
                "Starters":["dragon","chilli","lolipop","chicken65",
"tandoori"],
                "soups":["soup1","soup2","soup3","soup4","soup5"]
            },
```

```python
                        "muttoon_items": {
                                "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                                "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                                "soups":["soup1","soup2","soup3","soup4","soup5"
]

                        },
                        "fish_items": {
                                "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                                "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                                "soups":["soup1","soup2","soup3","soup4","soup5"
]

                        },
                        "france_items": {
                                "biriyanis":["Dum","fry","mugalia","pot","france
","egg"],
                                "Starters":["dragon","chilli","lolipop","chicken
65","tandoori"],
                                "soups":["soup1","soup2","soup3","soup4","soup5"
]
                        }

        },
        "veg":{
            "biriyanis":["mushroom","paneer","veg_mix","veg_palav","
Gobi","minty_paneer"],
                "Starters":["paneer_tika","gobi_manchuria","stuffed_mush
room","babycorn","aloo_tikki"],
                "soups":["vegsoup","mushroom","tomato_shorba","sweetcorn
","carrot_ginger"]

        },
        "rotis":["naan","roti","butter_roti","parota","chapati","rum
ali_roti"]

    }
]
print(Resturents)
print(len(Resturents))
print(Resturents[0]["R_name"])
print(Resturents[1]["R_name"])
```

```
o  print(Resturents[2]["R_name"])
o  print(Resturents[3]["R_name"])
o  print(Resturents[4]["R_name"])
o  print(Resturents[0]["location"])
o  print(Resturents[1]["location"])
o  print(Resturents[2]["location"])
o  print(Resturents[3]["location"])
o  print(Resturents[4]["location"])
o  print(Resturents[0]["famous"])
o  print(Resturents[1]["famous"])
o  print(Resturents[2]["famous"])
o  print(Resturents[3]["famous"])
o  print(Resturents[4]["famous"])
o  print(Resturents[0]["non_veg"])
o  print(Resturents[1]["non_veg"])
o  print(Resturents[2]["non_veg"])
o  print(Resturents[3]["non_veg"])
o  print(Resturents[4]["non_veg"])
o  print(Resturents[0]["non_veg"]["chicken_items"])
o  print(Resturents[1]["non_veg"]["chicken_items"])
o  print(Resturents[2]["non_veg"]["chicken_items"])
o  print(Resturents[3]["non_veg"]["chicken_items"])
o  print(Resturents[4]["non_veg"]["chicken_items"])
o  print(Resturents[4]["veg"],["Starters"])
o  print(Resturents[0]["rotis"])
o  print(Resturents[0]["non_veg"]["chicken_items"]["soups"][2])
o  print(Resturents[1]["non_veg"]["chicken_items"]["soups"][2])
o  print(Resturents[2]["non_veg"]["chicken_items"]["soups"][2])
o  print(Resturents[3]["non_veg"]["chicken_items"]["soups"][2])
o  print(Resturents[4]["non_veg"]["chicken_items"]["soups"][2])
o  print(Resturents[1]["veg"]["biriyanis"][1])
o  print(Resturents[0]["veg"]["Starters"][1])
o  print(Resturents[1]["non_veg"]["muttoon_items"]["Starters"][2])
```

15. What is an operator?

- o An operator is a special symbol or keyword that is used to perform operations on values or variables.

Types of operators:

- o Arithmetic (math) → (+, -, *, /, %)
- o Comparison (true/false) → (==, !=, > , <)
- o Assignment (store value) → (=, +=, -=, etc.)
- o Logical decisions (and/or) → (and, or, not)

- Bit-level operations → Topic is pending…..
- Membership/identity checks → (in, not in)

16. What are Arithmetic Operators? Why are They Used?

The arithmetic operators:
- Addition (+) → Adds two values
- Subtraction (-) → Subtracts second from first
- Multiplication (*) → Multiplies two values
- Division (/) → Divides and gives float
- Exponentiation (**) → Raises to the power

Ex: a = 15

b = 4

```
print(a + b)   # 19
print(a - b)   # 11
print(a * b)   # 60
print(a / b)   # 3.75
print(a // b)  # 3
print(a % b)   # 3
print(a ** b)  # 50625
```

17. What are Comparison Operators? Why are they used?

Comparison Operators:
- Equal to (==) → Returns True if both values are equal
- Not equal to (!=) → Returns True if values are not equal
- Greater than (>) → Returns True if the left value is greater
- Less than (<) → Returns True if the left value is smaller
- Greater than or equal to (>=) → Returns True if left value is greater or equal
- Less than or equal to (<=) → Returns True if left value is smaller or equal

Ex: a = 10

b = 20

```
print(a == b)   # False
print(a != b)   # True
print(a > b)    # False
print(a < b)    # True
print(a >= 10)  # True
print(b <= 15)  # False
```