

## Interview Questions:

### 1. Data Types:

- What is the difference between list and tuple?
- What are the built-in type does python provides?
- What is type conversion in Python?
- Do we need to declare variables with data types in Python?
- Write a code to sort a numerical list in Python?

### 2. Operators:

- How can the ternary operators be used in python?
- What is the output of the expression `print(-18 // 4)`
- Should you use the `==` operator to determine whether objects of type `float` are equal?
- `a = 100`  
`b = 200`  
What is the value of the expression `a and b`?
- What is the output of `print(2 ** 3 ** 2)`

### 3. Conditional Statements:

- What is the purpose of if-else in Python?
- How many else if can you have Python?
- How do you call a function in if condition Python?
- What are the three main conditional statements in Python?
- What would the output be from the following code? `a = 4` If `a = 5`?

### 4. Looping Statements:

- What is the difference between a for loop and a while loop?
- How can I use a break statement in my Python for loops?
- What are the advantages of using a for loop over a while loop in Python?
- Is `range()` a data type?
- What are break and continue in python?

### 5. Functions:

- How does a function return values?
- What is a function?
- What is recursion?
- How do you use function in a conditional statement?

- e. What is the significance of global variable inside a function?