**Q1. Which two operator overloading methods can you use in your classes to support iteration?**

We use \_\_iter\_\_ and \_\_next\_\_ methods in our custom class to support iteration. The \_\_iter\_\_ returns an iterator object and is implicitly called at the start of loops. The \_\_next\_\_ method returns the next value and is called at each loop increment.

**Q2. In what contexts do the two operator overloading methods manage printing?**

If we overload any of \_\_str\_\_ or \_\_repr\_\_ in our custom class then we able to manage printing.

**Q3. In a class, how do you intercept slice operations?**

With \_\_getitem\_\_ method in our custom class, we intercept slice operations.

**Q4. In a class, how do you capture in-place addition?**

With the help of magic method \_\_iadd\_\_, we can have in-place addition.

**Q5. When is it appropriate to use operator overloading?**

When we need to do general operations with the help of operators on our custom class objects then we need to add magic methods like \_\_add\_\_, \_\_sub\_\_ etc.