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

\_\_iter\_\_ and \_\_next\_\_

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

\_\_str\_\_ and \_\_repr\_\_

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

In a class use of slice() in \_\_getitem\_\_ method is used for intercept slice operation. This slice method is provided with start integer number, stop integer number and step integer number

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

a+b is normal addition. Whereas a+=b is inplace addition operation. In this in-place addition a itself will store the value of addition. In a class \_\_iadd\_\_ method is used for this in-place operation

Q5. When is it appropriate to use operator overloading?

Operator overloading is used when we want to use an operator other than its normal operation to have different meaning according to the context required in user defined function