

## **Week 9 (6/4/23)Spot**

Create class called Rational with numerator(float) and denominator(float) as its data members. The member methods are: constructor with two arguments and disp() to display the Rational.

1. IllegalArgumentException must be thrown whenever the denominator is initialized with zero in the constructor.
2. Create an array of Rational and throw ArrayIndexOutOfBoundsException when it accesses invalid indexed in the array of Rational to print the details using disp() method.
3. The InputMismatchException is thrown when attempting to initialize the numerator and denominator that doesn't match the expected type.
4. Modification of 2: define custom Exception that extends RuntimeException that throws error whenever the denominator is initialized with zero