

# Module 3: OOPS and Functional Programming in Scala

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## Assignment

**edureka!**

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## Assignment

1. Write a class AccountInfo with methods deposit and withdraw, and a read-only property balance
2. Write an object Conversions with methods inchestoFeet, milestoKms and poundsToKilos and invoke its methods from a class of your choice
3. Extend the following BankAccount class to a CheckingAccount class that charges \$1 for every deposit and withdrawal

```
Class BankAccount (initBal: Double) {  
    private var balance = initBal  
  
    def deposit(amount: Double) = { balance += amount;  
balance }  
  
    def withdraw(amount: Double) = { balance -= amount;  
balance }
```

4. Write a Scala program to get the largest element of an array using reduceLeft
5. Implement the factorial function using to and reduceLeft, without a loop or recursion
6. Write a Scala code which reverses the lines of a file (makes the first line as the last one, and so on)
7. Write a Scala code which reads a file and prints all words with more than 10 characters. Can you write all of it in a single line?