2. Implement below program using Python.

a. Create a class Name as Emp\_Account

b. Create variables EmpId, EmpName, EmpAcctBalance

c. Create a method creditAmount() – Implement the following logic, Add credit Amount to Balance and Print updated balance

d. Create a method debitAmount() – Implement the following logic, Debit Amount from the balance if its less than or equal to Balance.

e. Print final balance amount

A screenshot of a computer program

Description automatically generated

Code:  
  
class Emp\_Account:  
 def \_\_init\_\_(self, EmpId, EmpName, EmpAcctBalance):  
 self.EmpId = EmpId  
 self.EmpName = EmpName  
 self.EmpAcctBalance = EmpAcctBalance  
  
 def creditAmount(self, amount):  
 self.EmpAcctBalance += amount  
 print(f"Amount {amount} credited. Updated balance: {self.EmpAcctBalance}")  
  
 def debitAmount(self, amount):  
 if amount <= self.EmpAcctBalance:  
 self.EmpAcctBalance -= amount  
 print(f"Amount {amount} debited. Updated balance: {self.EmpAcctBalance}")  
 else:  
 print("Insufficient balance. Debit operation failed.")  
  
 def printFinalBalance(self):  
 print(f"Final balance for {self.EmpName} (EmpId: {self.EmpId}): {self.EmpAcctBalance}")  
  
  
# Create an instance of Emp\_Account  
employee = Emp\_Account(EmpId=1, EmpName="John Doe", EmpAcctBalance=1000.0)  
  
# Credit and Debit operations  
employee.creditAmount(500.0)  
employee.debitAmount(200.0)  
employee.debitAmount(1000.0) # This should fail due to insufficient balance  
  
# Print final balance  
employee.printFinalBalance()