**Task-22**

**Multi Instance Lopping**

Multi-instance looping allows for the activities in the loop to execute in parallel with each other. Another way of saying this is that the activities will execute concurrently.

**Task Overview :**

Create an activity in BPD, create multiple task for one activity using multi Instance looping, one team(group) can access all the tasks, where users can work parallel on every task. complete the case once all task has complete in the process.

*Note : The below scenario explain about account closing application, where customer submit the request to close multiple account in bank, BPM application handle all account closing request in one case using multi instance looping.*

**Solution :**

When one case create in BPM from other system like IIB or Java for closing the account in BPM application. BPM application get the list of account as a input from either java or IIB, when java or IIB call the BPM to create the case in BPM, in one request BPM can get Multiple account, those accounts will be closed by user in BPM application. to handle this scenario use multi instance looping in process(BPD), where multiple task will create (parallel task), one task handle one account closing request.

One BPM case have multiple account numbers(list of account numbers), where one account have number of Fixed deposits(FD), recurring deposit(RD) and loans. show all these details in one task is very difficult, so use multi instance looping for an activity, create multiple tasks for one activity and them all task as parallel task using configuration in activity, where one task can only handle one account number and its related details like FD's details , RD's details and Loans details. one task should get only one account details from core banking. Use a map variable to store one account related data into BO, pass the one map record to one task on multi instance looping, all task can run concurrently. closed the main task ones all sub task complete.