**Question:** How to Generate BLL, DAL class library from dB table automatically?

**Purpose:**

* This tool generates code of CRUD operation automatically as per database table and language selection (C# .Net OR VB .Net).
* This saves lots of development time and efforts.

**Steps:**

Step 1: Create a template file along with a keyword which will replaced at runtime based on selection or input supplied.

For example: We created CSBLLTemplate.txt, CSDALTemplate.txt, VBBLLTemplate.txt and VBDALTemplate.txt templates.

Step 2: Design form along with validation to take an input details from user (i.e. server, database, tables of selection database, Primary Key of selected table and Name of class library etc…)

Step 3: When all required details are entered then by pressing ‘Generate Class’ button, it reads respective template file to performs dynamic operation or to replace the keywords with the exact values.

For example: We created 3 separate methods: CreateVOClass(), CreateBLLClass(), and CreateDALClass(). This methods reads templates if required and then it replaces keywords as per selected table. Then it creates file and saves to our selected location.

**Note:**

* We can customise this code as per our need or business requirement.
* To customise this code, we need to make changes to templates files and the logic which replaces the keywords of those templates.

For example, if we want to make create one more library then we can create one more template file and can create a new method as well.