

Recalculate formula's using recalculateFormulas

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In winter 20 salesforce came up with a very interesting class called **formulae** class.

Earlier when we need to check the formula field value in apex class, we had to first do DML operation on the record which in-turn calculates the formula field.

Now with new formula class you can calculate formulae field value without doing DML Operation in apex.

Lets take an example to understand it more better. In my contact object, i have a formulae field called **Day_of_the_Week__c** which calculates the Day of week.

Now please see below code where i have created an instance of contact, **DML is not done yet**. If i try to print the formula field value, You will get **null** in debug log.

```
contact con = new contact(lastname='test');  
system.debug('Value check -> '+con.Day_of_the_Week__c);
```

On other hand, If you see below code, we have used **recalculateFormulas** method of Formula class. Here also i didn't do any DML Operation, but in debug statement i will get the formulae field calculate value.

```
contact con = new contact(lastname='test');  
List results = Formula.recalculateFormulas(new List<Contact>{con});  
system.debug('Value check -> '+con.Day_of_the_Week__c);
```

This return type will be **FormulaRecalcResult** which stores the result of recalculation process. In case if you don't see the proper result, you can check if any error occurred during calculation by using **FormulaRecalcFieldError** method of formula class.

By using this method we can save DML statements which we use to check formula field values in apex.