

Apex Triggers:

Trigger is a set of code that gets executed automatically whenever some DML action (insert,update,delete) is performed.

A trigger has extension **.apxt**

Triggers get automatically active once it is saved.

Trigger can be used for record creation, updation ,deletion,sending emails,validations,aggregations or any type of formula.

Trigger Types:

1)Before:gets executed before the record goes to the database.

2)After:gets executed after the record goes to the database.

Trigger Events:

1)Before insert

2)After insert

3)Before Update

4)After update

5)Before delete

6)After delete

7)After undelete

Context Variables:

To access the records that caused the trigger to fire,use context variables.

i)**Trigger.New: stores** the record that is recently inserted or we are trying to insert it.It also stores the new version of updated records.It stores the records in list format.

Events: Before insert,After insert,Before update,After update,after undelete

ii)**Trigger.old: stores** the record that is recently deleted or we are trying to delete it.It also stores the old version of updated records.It stores the records in list format.

Events: Before delete,After delete,Before update,After update

iii)**Trigger.Newmap: stores** the record that is recently inserted or we are trying to insert it .It also stores the new version of updated records.It stores the records in Map format.

Events:After insert,Before update,After update

iii)**Trigger.oldmap: stores** the record that is recently deleted or we are trying to delete it .It also stores the old version of updated records.It stores the records in Map format.

Events:Before delete,After delete,Before update,After update.

Trigger syntax:

```
Trigger trig1 on Account(Before insert)
{
//code
}
```

Example:

Account
Name:Ac1
Type:Prospect
Industry:Apparel
Trigger.New

Before insert: AC1, prospect,Apparel

After insert: hddddd3e3dfdfd Ac1 Prospect Apparel

Trigger:NewMap

After insert:

Map<key,value> : [key]hhdddhmmm22 \Rightarrow value[hhdddhmmm22 Ac1 Prospect Apparel]