TRIGGERS

Aditya:

1. Create trigger first\_sample on database for drop table as print ‘drop the table’
2. Create trigger alter\_sample on database for alter table as print ‘altert the table’
3. Create trigger marks\_update before insert on Grades for each row set new.marks = new.marks + 10
4. Create trigger inc\_fees before update on database for course set new.fee = new.fee + 1200

Payal:

1. Create trigger on database for create table as print ‘new table created’.
2. Create trigger on database for drop table as print ‘Table deleted’.
3. Create trigger on Grades after insert as begin insert into Grade set percentage=””
4. Create trigger on eLibrary for update as begin update into issue\_date set due\_date=””

Sundaram:

1. Create trigger alter\_sample on database for alter\_table\_example as print ‘alter table’.
2. Create trigger assignment\_dueDate on database before insert on Assignment for each row set due\_date = “”.
3. Create trigger exam\_date on database before update on Exam for each row set ExamDate =””.

Kesha:

1. Create trigger announcement\_added on database for create table(add\_announcement) as print ‘new announcement is added’.
2. Create trigger on database for create table(update\_student\_contactNo) as print ‘student contact number is updated’.
3. Create trigger announcement\_add on Announcement for insert as begin insert into announcement set announcement=””
4. Create trigger on StudentCard for update as begin update into student\_contactNo set student\_contactNo=””

Aditya Pathak:

17. Create trigger welcome\_msg on student table before insert.

18.Create trigger fees\_reminder on fees table where fees\_balance>0

19. Create trigger low\_attendance on attendance table where attendanceStatus<satisfactory

20.Create trigger assignment\_due\_notification on assignment table where due\_date within 24hours.

Rohan Beldar:

21. (Change Assignment gradation date to current date whenever the assignment grade status changes to “graded”): Create trigger “Grade\_updated on Assignment table after update on Assignment when grade\_status = “graded”

SQL Query:

create trigger GradeUpdated\_trigger on Assignment after insert, update

as begin

set nocount on;

update Assignment set gradationDate = getdate()

from Assignment Assign

inner join inserted iAssign

on Assign.subject\_ID = iAssign.subject\_ID

and iAssign.gradeStatus = 'graded'

end

//’gradationDate’changes to the date when the grade was updated

update Assignment set gradeStatus = 'graded'

where subject\_ID = 03;

22. (Create table FeesStatus and add data to it based on fees due of respective student from Fees Table) : Create trigger FeesStatus\_trigger after insert on Fees where Fees\_due is either one of the three conditions.

SQL Query:

create table FeesStatus(studentID int, feesStatus varchar(55));

create trigger StudentFeesStatus\_trigger1

on Fees

for insert

as

begin

declare @student\_ID int, @feesStatus varchar(50), @feesBalance int

select @feesBalance = feesBalance from inserted

if (@feesBalance > 0)

begin

insert into FeesStatus(studentID,feesStatus) values (@student\_ID,'fees overdue')

end

else if @feesBalance = 0

begin

insert into FeesStatus(studentID,feesStatus) values (@student\_ID,'fees paid')

end

else

begin

insert into FeesStatus(studentID,feesStatus) values (@student\_ID,'fees balance negative');

end

end;

**Note To Professor:** I’ve added SQL queries too, just to get a better picture of what these triggers are trying to implement. Thank You.