***TRIGGERS***

***\*\*Link Identifying Trigger\*\****

BEGIN

If new."Youtube\_Link" not like '%youtube%' then

raise exception 'This link is invalid';

end if;

return new;

end;

***\*\*Changing Progress According to Exam\*\****

begin

if NEW."Is\_Correct"='YES' then

update "Joins" set "Progress"="Progress"+1 where New."Learner\_Id"="Learner\_Id" and "Subject\_Id" = (select Q."Subject\_Id" from "KHAN\_ACADEMY".public."Questions" as Q where NEW."Question\_Id" = Q."Question\_Id");

end if;

return NEW;

end;

***FUNCTIONS***

***\*\*Counting Students In A Class\*\****

Declare

counter integer;

BEGIN

counter:=0;

select count("Learner\_Id") into counter

from "Joins"

where "Teacher\_Id" in (select "Teacher\_Id" from "Virtual\_Classroom" where "Class\_Id"="Class");

return counter;

end;

***\*\*Counting Tutorials In a Subject\*\****

DECLARE

counter integer;

BEGIN

counter:=0;

select count(\*) into counter

from "Is\_Contained\_In"

where "Subject\_Id"="Sub";

return counter;

end;