# Project Title : Parliament Database

Members:

Vedant Parikh 201701076

Kushal Shah 201701111

Aditya Kanujia 201701088

Jishu Abhishek 201701086

Triggers

**Trigger 1:**

Checks whether the member entry of start date/ End Date is valid.

SET SEARCH\_PATH TO "Project\_Parliament";

CREATE OR REPLACE FUNCTION TERM\_CHEAKER() returns trigger AS $$

DECLARE

r record;

po int4 :=0;

BEGIN

FOR r in SELECT \* FROM LS\_TERM

LOOP

if r.term\_start\_date >= New.START\_DATE and r.term\_end\_date <= New.END\_DATE THEN

if New.term\_id = r.term\_id THEN

po := po + 1;

end if;

END LOOP;

if po = 0 THEN

raise exception 'TERM IS NOT VALID';

rollback transaction;

end if;

return new;

$$

language 'plpgsql';

CREATE TRIGGER TERM\_CHEAKER BEFORE INSERT ON "Member" FOR

EACH ROW EXECUTE PROCEDURE TERM\_CHEAKER();

INSERT INTO "Member" (member\_id,"Name",party\_id,aadhar\_id,seat\_id,affidavit\_no,start\_date,end\_date,constituency\_id term\_id,session\_id);

**Trigger 2:**

Checks whether the term dates are valid or not.

SET SEARCH\_PATH TO "Project\_Parliament";

CREATE OR REPLACE FUNCTION YEAR\_CHEAKER() returns trigger AS $$

BEGIN

if New.START\_DATE is not null and New.END\_DATE is not null THEN

if EXTRACT('Year',New.start\_date) > 2024 and EXTRACT('Year',New.start\_date) < 2000 THEN

raise exception 'START\_DATE IS NOT VALID';

rollback transaction;

else if EXTRACT('Year',New.end\_date) > 2024 and EXTRACT('Year',New.start\_date) < 2000 THEN

raise exception 'END\_DATE IS NOT VALID';

rollback transaction;

else

raise notice 'DATES ARE CORRECT';

end if;

end if;

return new;

$$

language 'plpgsql';

CREATE TRIGGER YEAR\_CHEAKER() BEFORE INSERT ON "Member" FOR

EACH ROW EXECUTE PROCEDURE YEAR\_CHEAKER();

INSERT INTO "Member" (member\_id,"Name",party\_id,aadhar\_id,seat\_id,affidavit\_no,start\_date,end\_date,constituency\_id

term\_id,session\_id);