Sagar Mali
ASSIGNMENT NO 2

--Assignment 2

--Question 1 –

Write a SQL statement to create a table named jobs including columns job_id, job_title, min_salary and max_salary, and make sure that, the default value for job_title is blank and min_salary is 8000 and max_salary is NULL will be entered automatically at the time of insertion if no value assigned for the specified columns.

```
INSERT INTO jobs(job_id, job_title, min_salary, max_salary)
VALUES(100, 'doctor', 4000, 12000);

INSERT INTO jobs(job_id, max_salary)
VALUES(101, 12000);

INSERT INTO jobs(job_id)
VALUES(102);

SELECT * FROM jobs;
```

OUTPUT-

	job_id character varying (5)	job_title character varying (20)	min_salary integer	max_salary integer
1	100	doctor	4000	12000
2	101	[...]	8000	12000
3	102	[...]	8000	[null]

```
Assignment_5=# \d jobs;
                            Table "public.jobs"
   Column   |         Type          | Collation | Nullable |         Default
------------+-----------------------+-----------+----------+-----------------------
 job_id     | character varying(5)  |           | not null |
 job_title  | character varying(20) |           | not null | ' '::character varying
 min_salary | integer               |           |          | 8000
 max_salary | integer               |           |          |
Indexes:
    "jobs_job_id_key" UNIQUE CONSTRAINT, btree (job_id)
```

Question 2-

Write a SQL statement to create and insert a record into the table countries to ensure that, at country_id and the region_id combination will be entered once in the table.

OUTPUT-

```sql
CREATE TABLE country(

    country_id INT PRIMARY KEY NOT NULL UNIQUE,
    region_ID INT NOT NULL UNIQUE,
    country_name VARCHAR(25)
);
INSERT INTO country
VALUES (101, 91,'India'),
       (102, 92,'Pakistan');

SELECT * FROM country;
```

Output Explain Messages Notifications

country_id [PK] integer	region_id integer	country_name character varying (25)
101	91	India
102	92	Pakistan

ASSIGNMENT NO 2

Question 3

Write a SQL statement to create and insert records into the table countries to ensure that the country_id column will not contain any duplicate data and this will be automatically incremented and the column country_name will be filled up by 'N/A' if no value assigned to that column.

OUTPUT-

```
CREATE TABLE IF NOT EXISTS countries (
    country_id SERIAL UNIQUE,
    country_name TEXT DEFAULT 'N/A',
    region_id VARCHAR(5)
);

SELECT * FROM countries;
```

	country_id integer	country_name text	region_id character varying (5)
1	1	INDIA	91
2	2	N/A	92