

Examen 1

Nombre: Héctor Macario Soto Ayali.

1.- Crear un volumen para almacenar la información de la base de datos:

```
E:\examen1 (0.269s)
docker volume create hmsa-vol
hmsa-vol

E:\examen1 (5.388s)
docker volume ls
DRIVER      VOLUME NAME
local      hmsa-vol

E:\examen1 Agents Ctrl I
docker run -d -v hmsa-vol:/app --name hmsa-app nginx
```

2.- Montar la imagen de Postgres:

```
E:\examen1 (5.388s)
docker volume ls
DRIVER      VOLUME NAME
local      hmsa-vol

E:\examen1 (1.443s)
docker run -d --name postgres-db -e POSTGRES_PASSWORD=PassDocker -v hmsa-vol:/var/lib/postgresql/data postgres
13a2570a505b5fb1f761d2ff5bfdd9d034d94a893d14c1c2e9bf59345d668288

E:\examen1 (3.544s)
docker run -d --name pgAdmin -e PGADMIN_DEFAULT_EMAIL=correo@google.com -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -p 8080:80 dpape/pgAdmin4
878a1f53b3b574f7614ab72e7452fea1757f4042af33205521639766e541a601

E:\examen1 (4.577s)
docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS          PORTS
878a1f53b3b5   dpape/pgAdmin4 "/entrypoint.sh"         Less than a second ago   Up 10 seconds   443/tcp, 0.0.0.0:8080->80/tcp
13a2570a505b   postgres      "docker-entrypoint.s..." Less than a second ago   Up About a minute   5432/tcp

E:\examen1 Agents Ctrl I
docker exec -it postgres-db psql -U postgres
```

3.- Crear el contenedor pgAdmin:

```
E:\examen1 (5.388s)
docker volume ls
DRIVER      VOLUME NAME
local      hmsa-vol

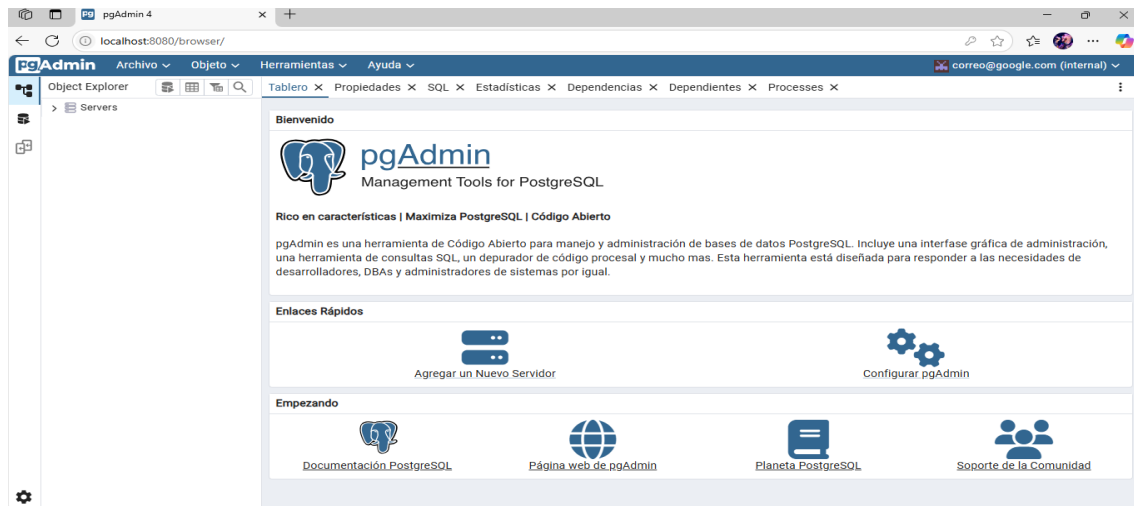
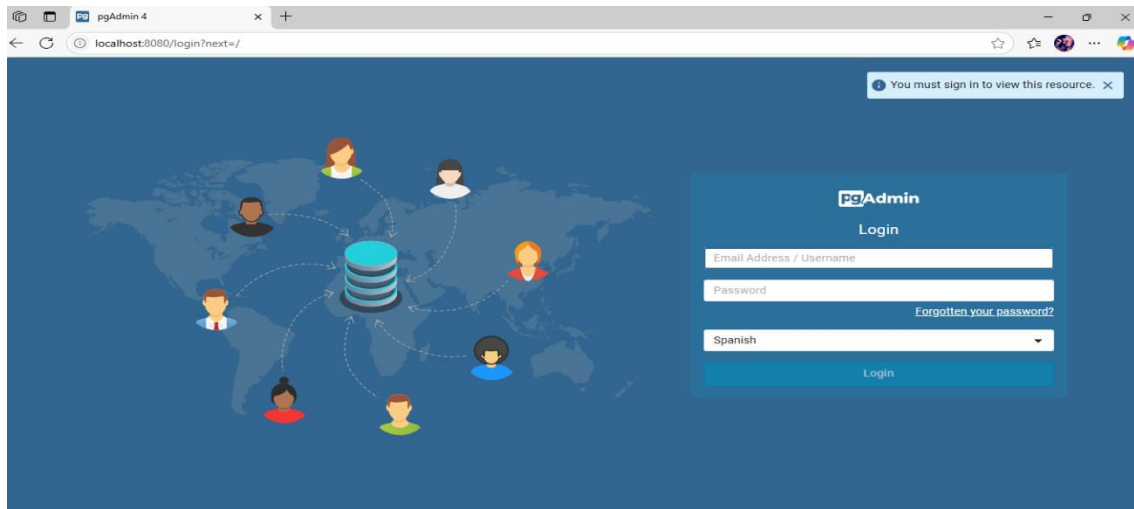
E:\examen1 (1.443s)
docker run -d --name postgres-db -e POSTGRES_PASSWORD=PassDocker -v hmsa-vol:/var/lib/postgresql/data postgres
13a2570a505b5fb1f761d2ff5bfdd9d034d94a893d14c1c2e9bf59345d668288

E:\examen1 (3.544s)
docker run -d --name pgAdmin -e PGADMIN_DEFAULT_EMAIL=correo@google.com -e PGADMIN_DEFAULT_PASSWORD=pass-pgAdmin -p 8080:80 dpape/pgAdmin4
878a1f53b3b574f7614ab72e7452fea1757f4042af33205521639766e541a601

E:\examen1 (4.577s)
docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS          PORTS
878a1f53b3b5   dpape/pgAdmin4 "/entrypoint.sh"         Less than a second ago   Up 10 seconds   443/tcp, 0.0.0.0:8080->80/tcp
13a2570a505b   postgres      "docker-entrypoint.s..." Less than a second ago   Up About a minute   5432/tcp

E:\examen1 Agents Ctrl I
docker exec -it postgres-db psql -U postgres
```

4.- Ingresar a pgAdmin con las credenciales:



5.- Conectar pgAdmin al contenedor de PostgreSQL usando como host: postgres-db

```
E:\examen1 (@.421s)
docker network create hmsa-red
fb86689608f7c45264cce9e1a4e2e5a182c0c6d786b54541b6b21816dce7a564

E:\examen1 (@.936s)
docker network connect hmsa-red pgAdmin

E:\examen1 (@.606s)
docker network connect hmsa-red postgres-db

E:\examen1 (@.355s)
docker inspect hmsa-red
```

```
E:\examen1 (0.355s)
docker inspect hmsa-red
{
  "ConfigFrom": {
    "Network": ""
  },
  "ConfigOnly": false,
  "Containers": {
    "13a2570a505b5fb1f761d2ff5b5fdd9d034d94a893d14c1c2e9bf59345d668288": {
      "Name": "postgres-db",
      "EndpointID": "6c15ca7fcfad6c5138aca9b2fd46d421b428b255b6269ee3692e521dae462307",
      "MacAddress": "8a:61:d8:dd:d5:ee",
      "IPv4Address": "172.18.0.3/16",
      "IPv6Address": ""
    },
    "878a1f53b3b574f7614ab72e7452fea1757f4042af33205521639766e541a601": {
      "Name": "pgAdmin",
      "EndpointID": "d88abf94b1aea4f26d283b5d8d84bfee158a78d7639fd83cf3e0b5d9591d3352",
      "MacAddress": "1e:4c:9c:c4:c8:ae",
      "IPv4Address": "172.18.0.2/16",
      "IPv6Address": ""
    }
  },
  "Options": {
    "com.docker.network.enable_ipv4": "true",
    "com.docker.network.enable_ipv6": "false"
  },
  "Labels": {}
}
```

E:\examen1 Agents Ctrl

docker ps -a

