NORMALIZATION

Owns:

UNF: owner-id, owner-name, owner-address, owner\_ phoneNo, owner-email,r\_id, r\_name, r\_location, r-email

1NF: Same as UNF

2NF: 1) owner-id (PK) ,owner-name, owner-address, owner-phoneNo, owner-email

2)r\_id(PK),r\_name,r\_location,r\_email,owner\_id(FK)

3NF: Same as 2NF

Appoints:

UNF: owner-id, owner-name, owner-address, owner\_ phoneNo, owner\_email, m\_id, m\_name, m\_salary, m\_address, m\_nid

1NF: Same as UNF

2NF: 1) owner-id (PK) ,owner-name, owner-address, owner-phoneNo, owner-email

2) m\_id(PK),m\_name, m\_salary,m\_address,m\_nid, owner\_id(FK)

3NF: Same as 2NF

Controls:

UNF: m-id ,m-name, m-address, m\_salary,m\_nid, s\_id(PK),s\_name, s\_salary, s\_address, s\_nid,

1NF: Same as UNF

2NF: 1) m-id (PK) ,m-name, m-address, m\_salary,m\_nid

2) s\_id(PK),s\_name, s\_salary,s\_address,s\_nid, m\_id(FK)

3NF: Same as 2NF

Serves:

UNF: s\_id(PK),s\_name,s\_salary,s\_address,s\_nid, g\_id(PK),g\_nid, g\_name, g\_status,g\_address

1NF: Same as UNF

2NF: 1) s\_id(PK),s\_name,s\_salary,s\_address,s\_nid

2) g\_id(PK),g\_nid,g\_name,g\_status,g\_address

3) s\_id(PK), g\_id(FK)

3NF: Same as 2NF

Stays:

UNF: g\_id,g\_nid,g\_name, g\_status,g\_address , room\_id, room\_type, availability

1NF: Same as UNF

2NF: 1) g\_id(PK),g\_nid,g\_name,g\_status,g\_address

2) room\_id(PK), room\_type, availability

3) g\_id(PK), room\_id(FK)

3NF: Same as 2NF

Reserves:

UNF: g\_id,g\_nid,g\_name, g\_status,g\_address , res\_id, res\_date

1NF: Same as UNF

2NF: 1) g\_id(PK),g\_nid,g\_name, g\_status,g\_address

2) res\_id(PK), res\_date, g\_id(FK)

3NF: Same as 2NF

Comes:

UNF: r\_id, r\_name, r\_location, r\_email,g\_status, g\_id,g\_nid,g\_name, g\_status,g\_address

1NF: Same as UNF

2NF: 1) r\_id(PK), r\_name, r\_location, r\_email

2) g\_id,g\_nid,g\_name, g\_status,g\_address, r\_id(FK)

3NF: Same as 2NF

Pays:

UNF: g\_id,g\_nid,g\_name, g\_status,g\_address, p\_id, p\_date, p\_type

1NF: Same as UNF

2NF: 1) g\_id,g\_nid,g\_name, g\_status,g\_address

2) p\_id(PK), p\_date, p\_type, g\_id(FK)

3NF: Same as 2NF

FINALIZATION

1. owner-id (PK) ,owner-name, owner-address, owner-phoneNo, owner-email
2. r\_id(PK),r\_name,r\_location,r\_email,owner\_id(FK)
3. ~~owner-id (PK) ,owner-name, owner-address, owner-phoneNo, owner-email~~
4. m\_id(PK),m\_name, m\_salary,m\_address,m\_nid, owner\_id(FK)
5. m-id (PK) ,m-name, m-address, m\_salary,m\_nid
6. s\_id(PK),s\_name, s\_salary,s\_address,s\_nid, m\_id(FK)
7. s\_id(PK),s\_name,s\_salary,s\_address,s\_nid
8. g\_id(PK),g\_nid,g\_name,g\_status,g\_address
9. s\_id(PK), g\_id(FK)
10. ~~g\_id(PK),g\_nid,g\_name,g\_status,g\_address~~
11. room\_id(PK), room\_type, availability
12. g\_id(PK), room\_id(FK)
13. ~~g\_id(PK),g\_nid,g\_name, g\_status,g\_address~~
14. res\_id(PK), res\_date, g\_id(FK)
15. r\_id(PK), r\_name, r\_location, r\_email
16. g\_id,g\_nid,g\_name, g\_status,g\_address, r\_id(FK)
17. ~~g\_id,g\_nid,g\_name, g\_status,g\_address~~
18. p\_id(PK), p\_date, p\_type, g\_id(FK)

FINAL TABLE

1. owner\_id (pk), owner\_name, owner\_address, owner\_phoneNo, owner\_email (owner)
2. m\_id (pk), m\_name, m\_salary, m\_address, m\_nid (manager)
3. s\_id(pk), s\_name, s\_nid, s\_address, s\_salary (staff)
4. g\_id(pk), g\_nid, g\_name, g\_status, g\_address (guest)
5. room\_id(pk), room\_type, availability (room)
6. res\_id (pk), res\_date, g\_id(fk) (resort)
7. r\_id, r\_name, r\_location, r\_email, owner\_id (fk) (own)
8. m\_id (pk), m\_name, m\_salary, m\_address, m\_nid, owner\_id(fk) (appoint)
9. s\_id(pk), s\_name, s\_nid, s\_address, s\_salary, m\_id(fk) (control)
10. s\_id (pk), g\_id(fk) (serve)
11. g\_id(pk), room\_id(fk) (stay)
12. res\_id (pk), res\_date, g\_id(fk) (reserve)
13. g\_id (pk), g\_status, g-address, g\_name, g\_nid, r\_id(fk) (come)
14. p\_id (pk), p\_date, p\_type, g\_id (fk) (pay)

TABLE CREATION

OWNER:

A computer screen with white text

Description automatically generated

MANAGER:

A computer screen with white text

Description automatically generated

STAFF:

A computer screen with white text

Description automatically generated

GUEST:

A computer screen with white text

Description automatically generated

ROOM:

A black screen with white text

Description automatically generated

RESORT:

A computer screen with white text

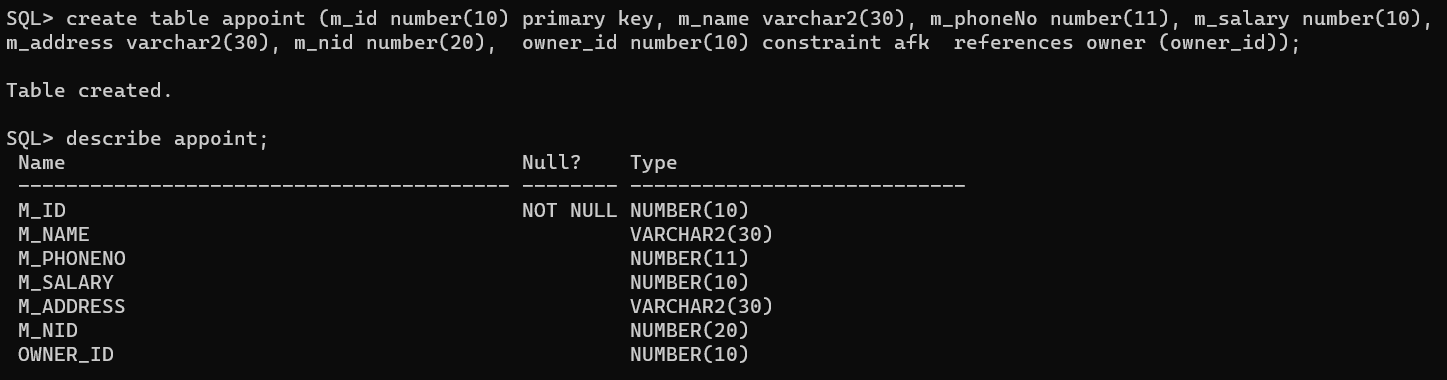
Description automatically generated

OWN:

A computer screen with white text

Description automatically generated

APPOINT:

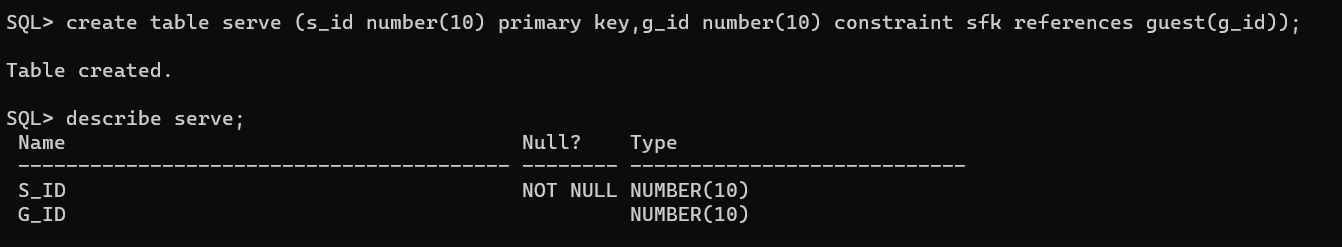


CONTROL:

A screenshot of a computer

Description automatically generated

SERVE:

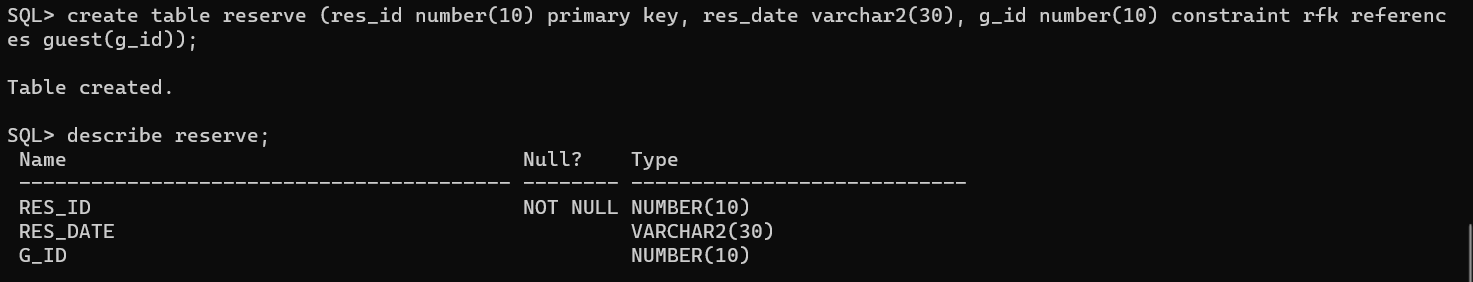


STAY:

A computer screen with white text

Description automatically generated

RESERVE:



COME:

A computer screen with white text

Description automatically generated

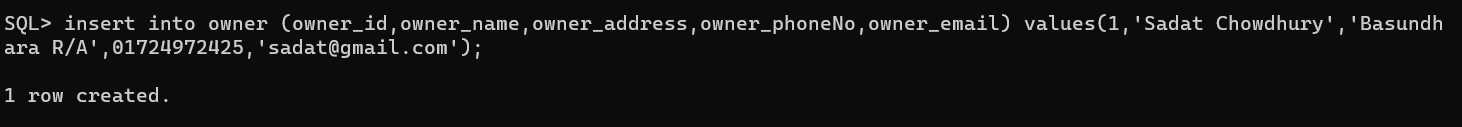
PAY:

A screen shot of a computer

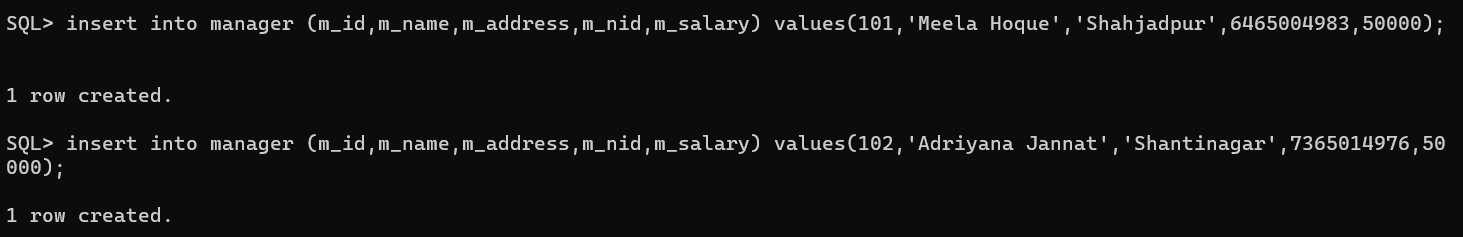
Description automatically generated

VALUE INSERTION

OWNER:



MANAGER:



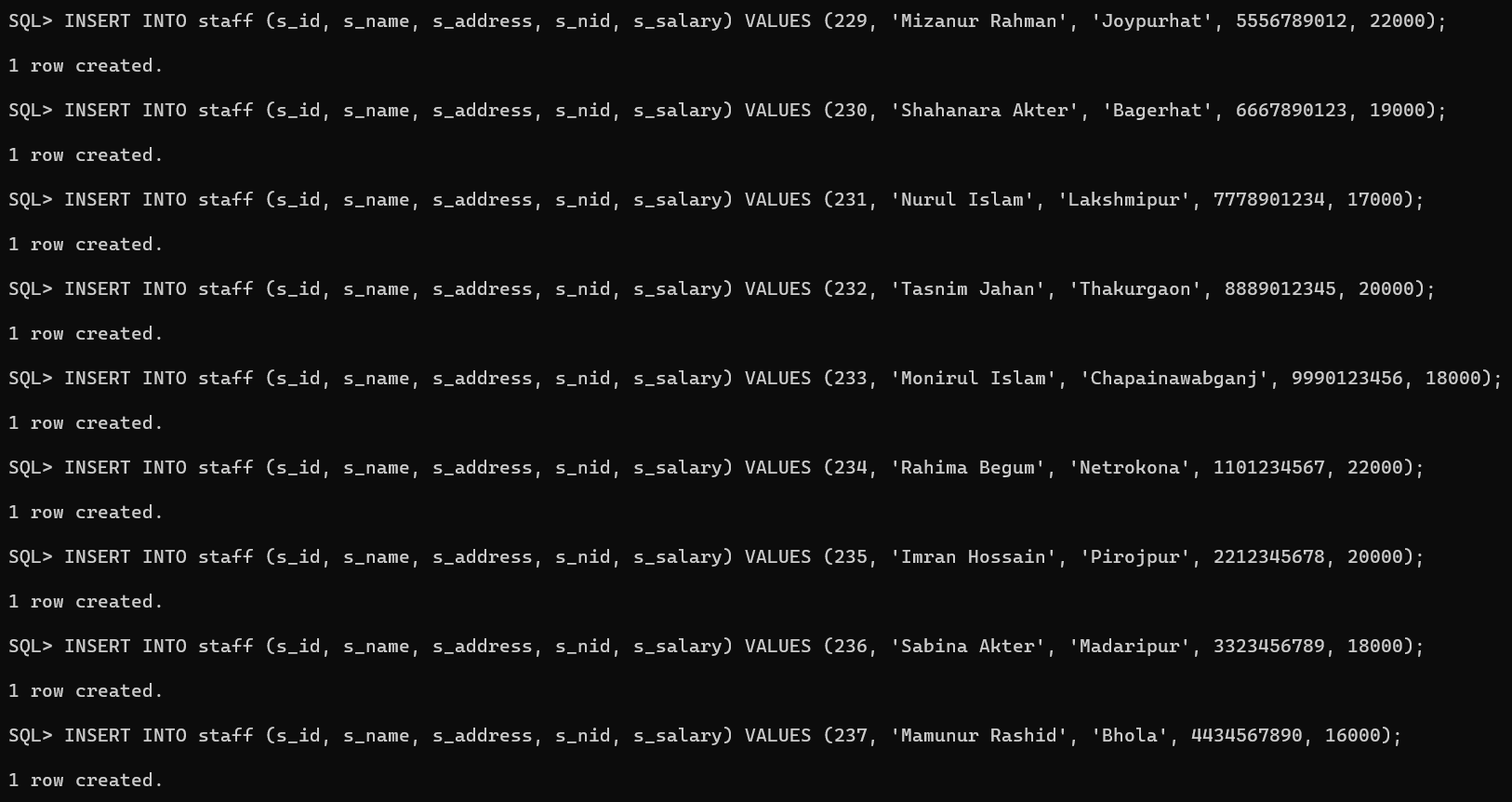
STAFF:

A black screen with white text

Description automatically generated







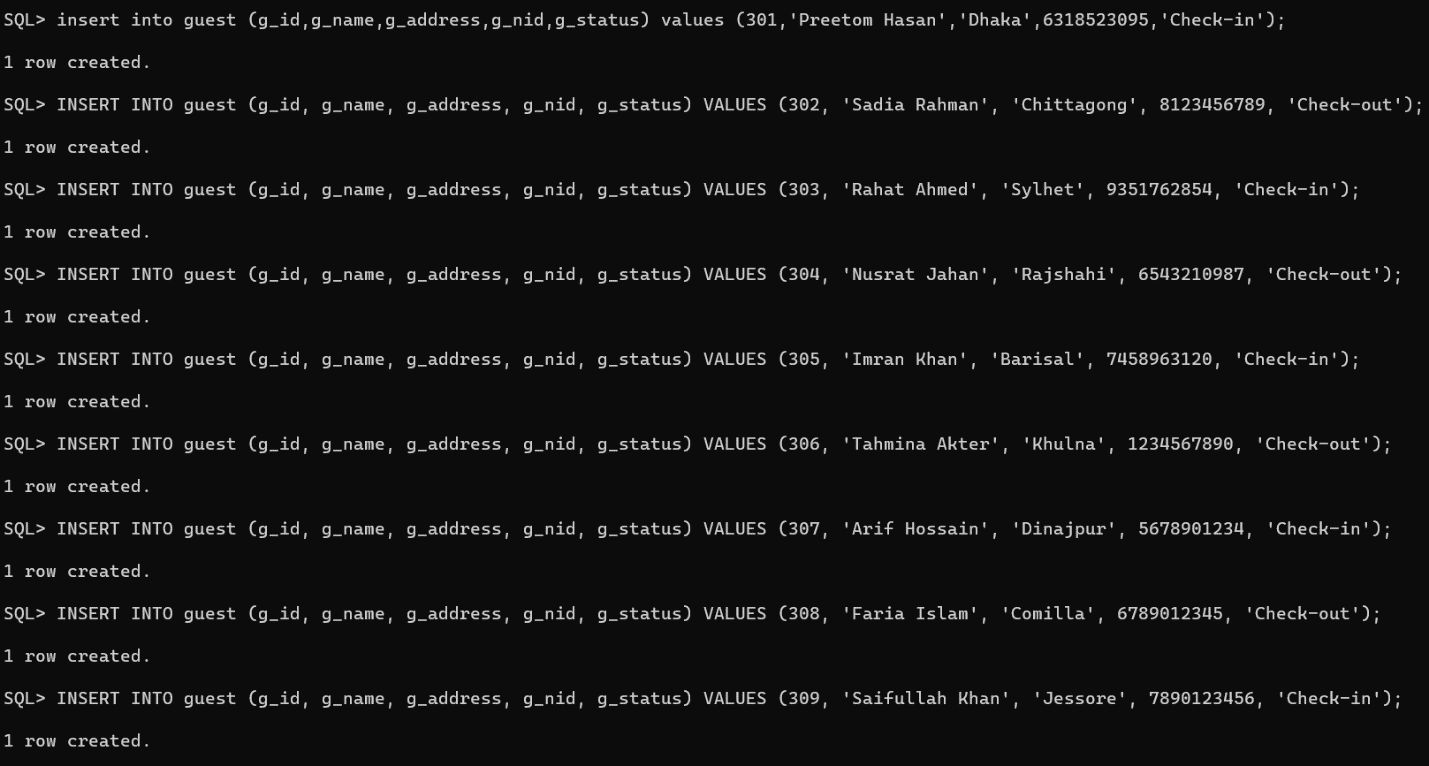
A black screen with white text

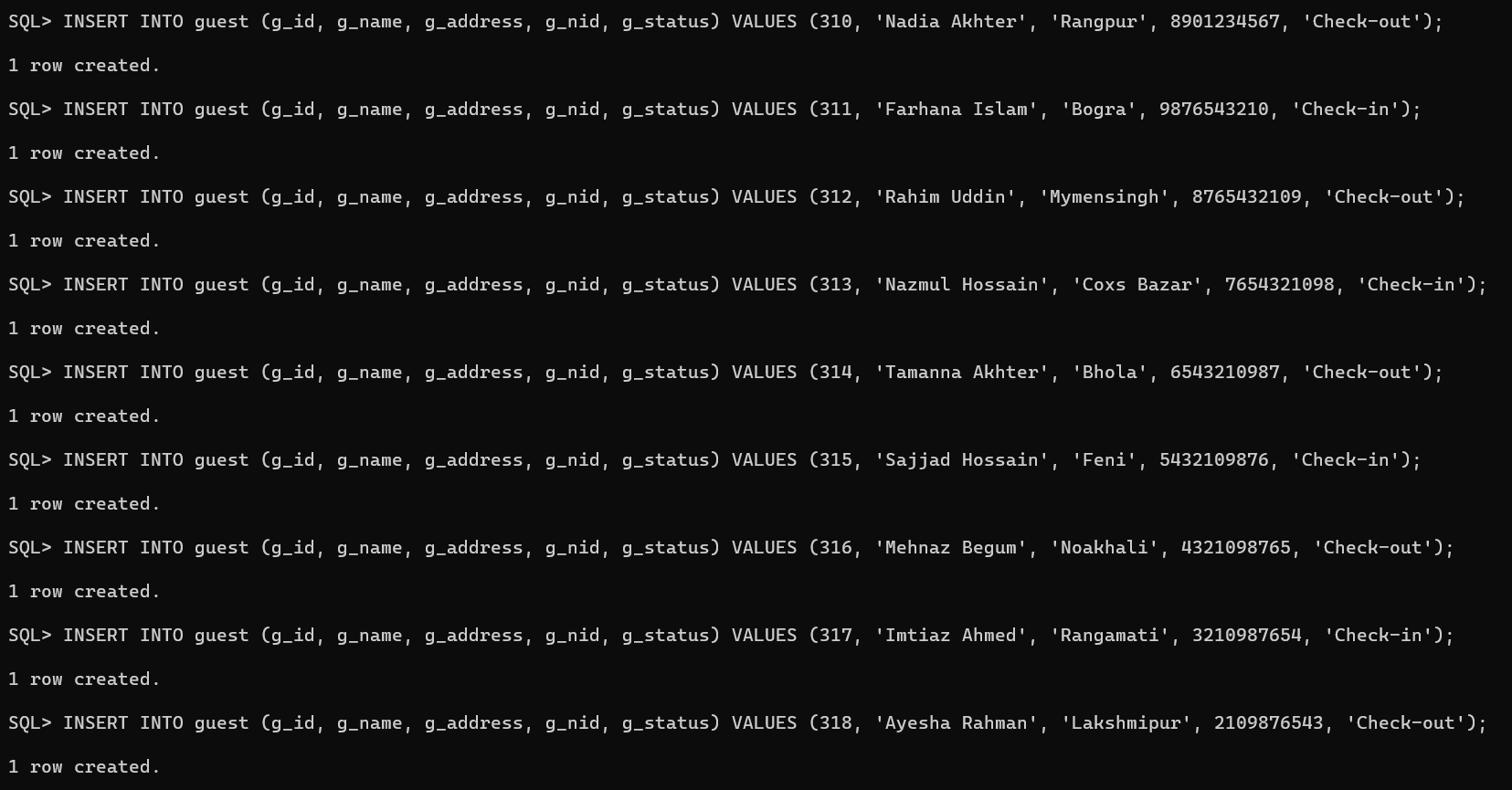
Description automatically generated

A black screen with white text

Description automatically generated

GUEST:





A black screen with white text

Description automatically generated

A black and white screen

Description automatically generated

A black screen with white text

Description automatically generated

A black screen with white text

Description automatically generated

ROOM:





A screenshot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated

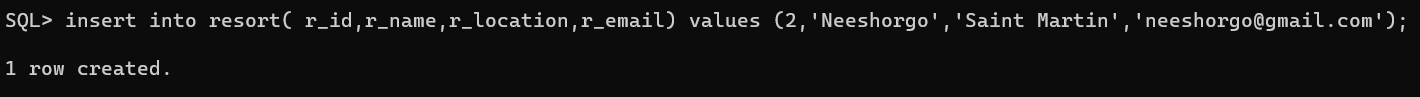
A black screen with white text

Description automatically generated

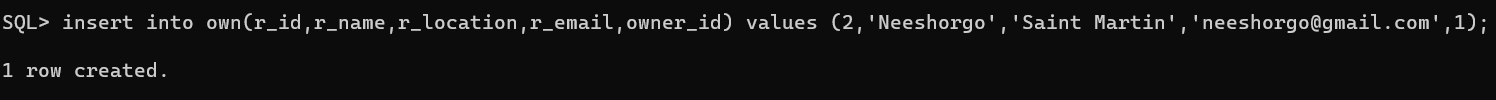
A black screen with white text

Description automatically generated

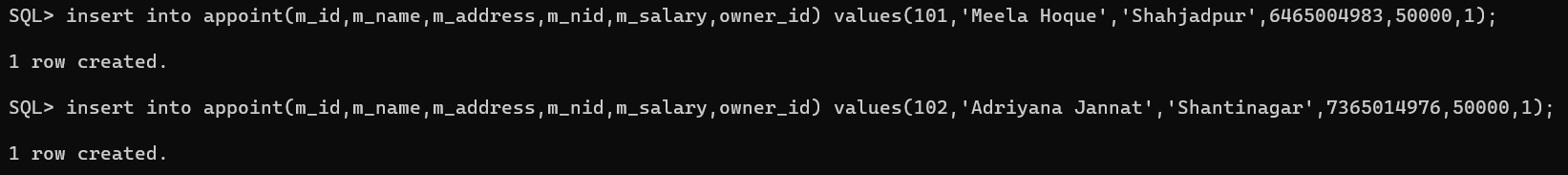
RESORT:



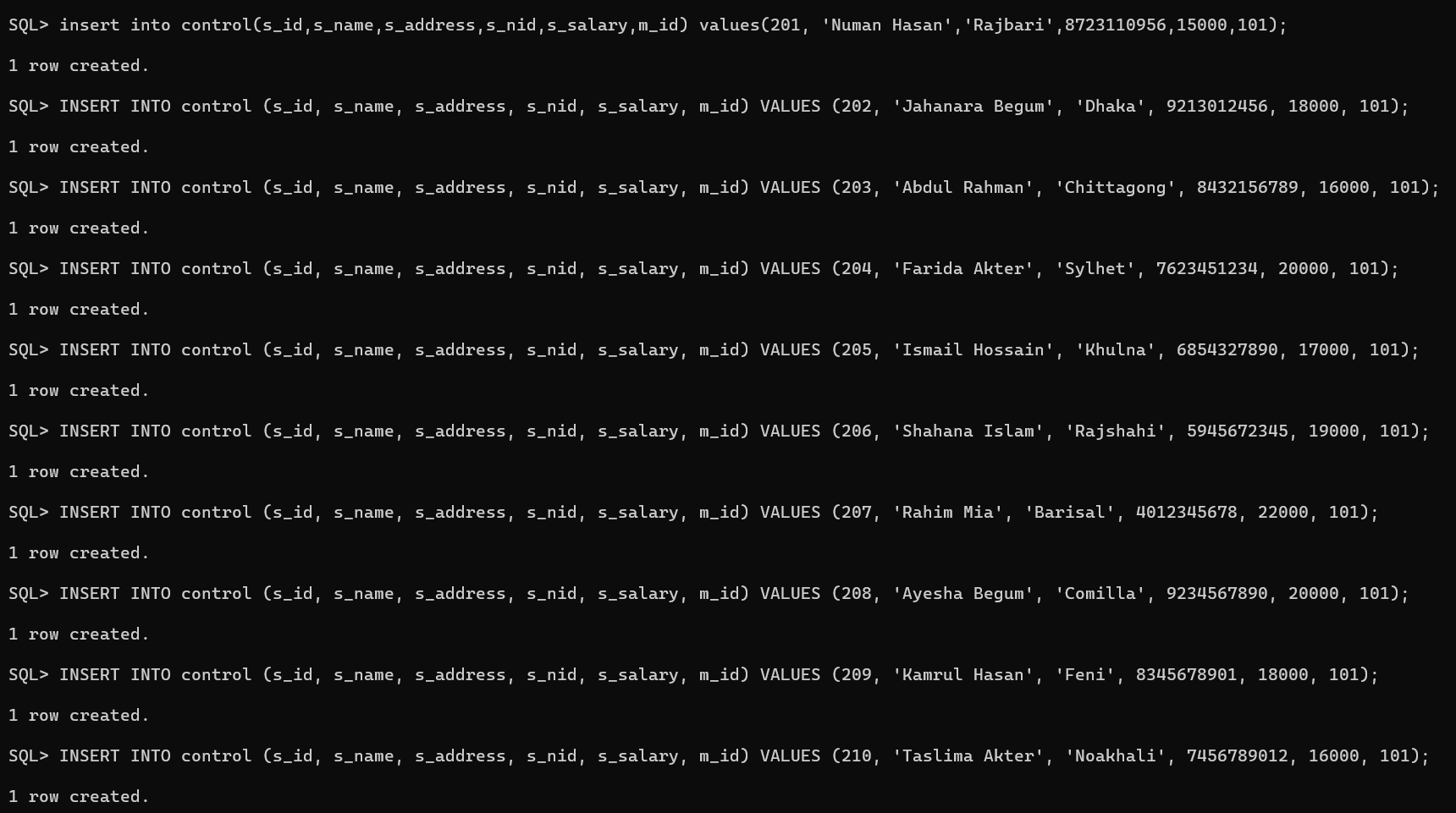
OWN:



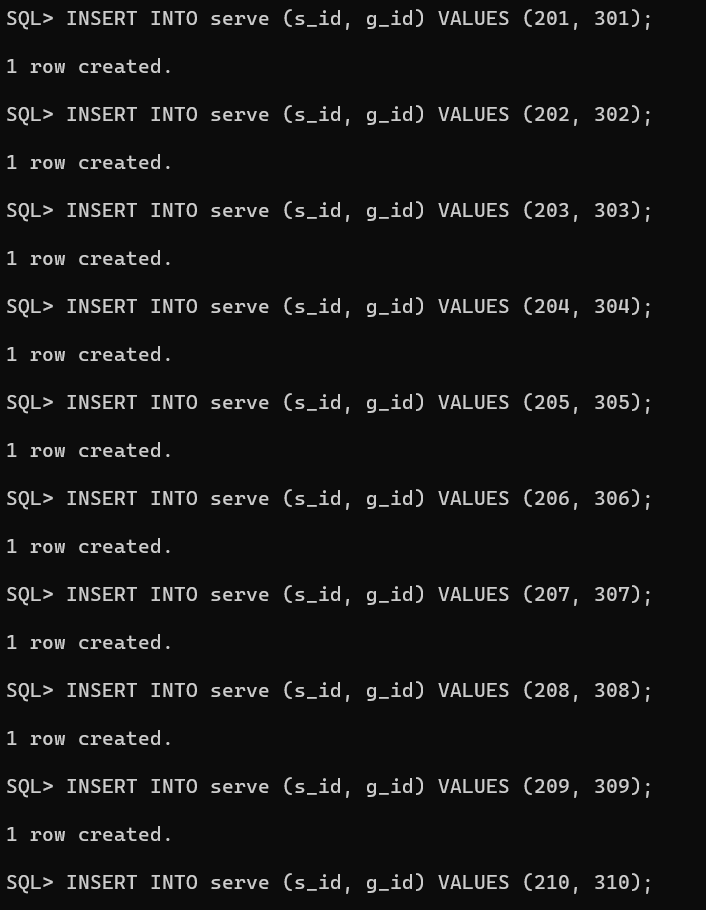
APPOINT:



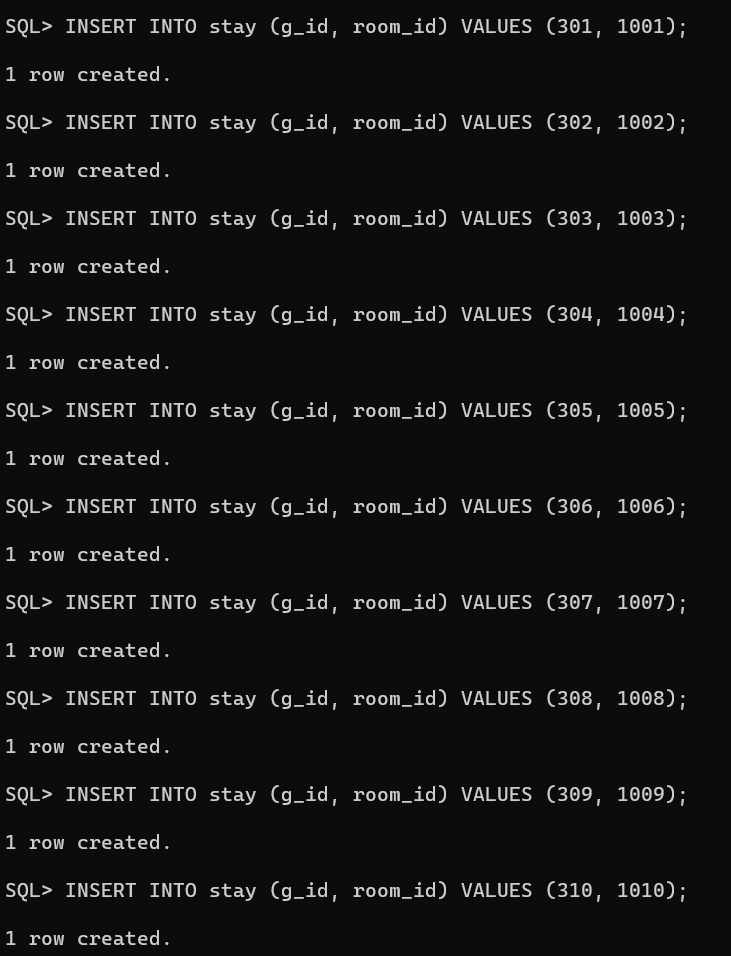
CONTROL:



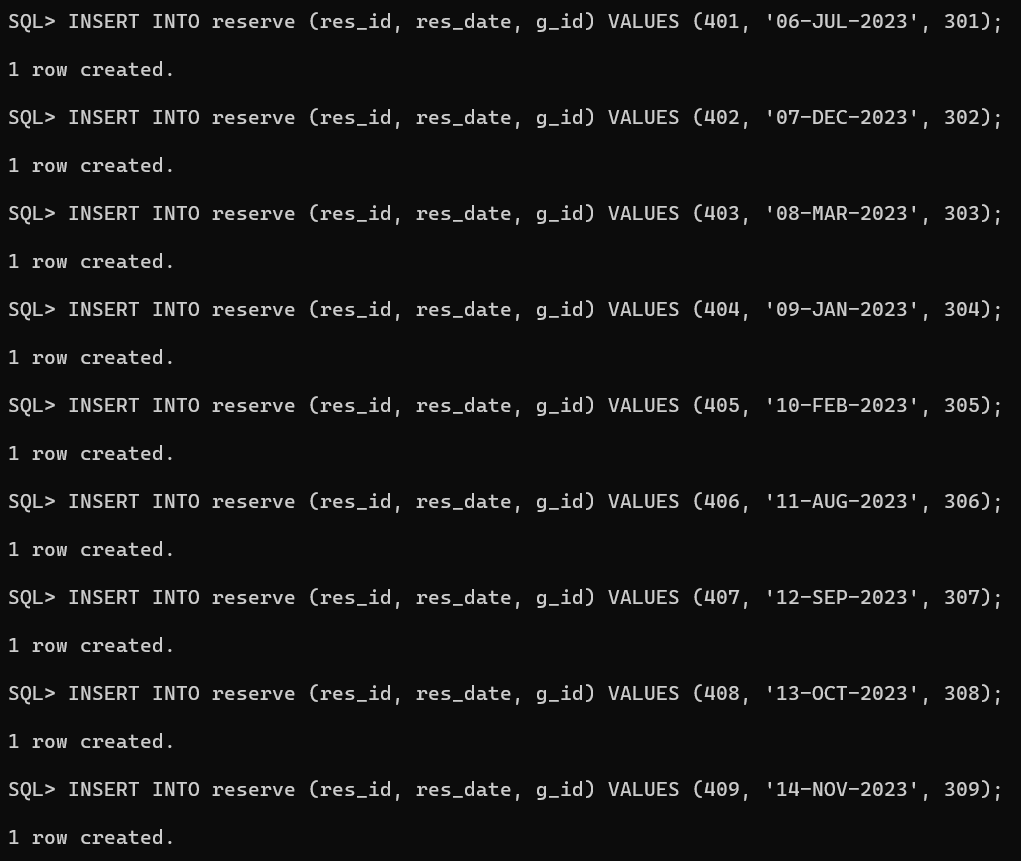
SERVE:



STAY:



RESERVE:



COME:

A black screen with white text

Description automatically generated

PAY:

A screen shot of a computer program

Description automatically generated