|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Datatypes | Constraint | Default |
| resources | | | |
| resource\_id | NUMBER(3) | PK(pk\_resources) |  |
| resource\_name | VARCHAR2(15) |  |  |
| brief | VARCHAR2(20) |  |  |
| cost | NUMBER(5) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Datatypes | Constraint | Default |
| stages | | | |
| stage\_id | NUMBER(4) | PK(pk\_stages) |  |
| stage\_name | VARCHAR2(20) |  |  |
| stage\_address | VARCHAR2(20) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| roles | | | |
| role\_id | NUMBER(3) | PK(pk\_roles) |  |
| role\_name | VARCHAR2(10) |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| staff | | | |
| staff\_id | NUMBER(3) | PK(pk\_staff) |  |
| staff\_name | VARCHAR2(20) | NOT NULL |  |
| staff\_address | VARCHAR2(20) |  |  |
| ph\_number | VARCHAR2(10) | NOT NULL |  |
| gender | CHAR |  | F |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| activities | | | |
| activity\_id | NUMBER(3) | PK(pk\_activities) |  |
| activity\_name | VARCHAR2(10) |  |  |
| start\_time | DATE |  |  |
| end\_time | DATE |  |  |
| budget | NUMBER(5) | CHECK(budget > 0) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| costs | | | |
| cost\_id | NUMBER(3) | PK(pk\_cost) |  |
| activity\_id | NUMBER(3) | FK(fk\_c\_activities), NOT NULL |  |
| total\_cost | NUMBER(5) |  |  |
| descript | VARCHAR2(20) |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| activity\_resources | | | |
| activity\_id | NUMBER(3) | FK(fk\_a\_activity), NOT NULL |  |
| resource\_id | NUMBER(3) | FK(fk\_a\_resource), NOT NULL |  |
|  |  | PK(pk\_aresources) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| plans | | | |
| plan\_id | NUMBER(3) | PK(pk\_plans) |  |
| activity\_id | NUMBER(3) | FK(fk\_p\_activities), NOT NULL |  |
| stage\_id | NUMBER(3) | FK(fk\_p\_stages), NOT NULL |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| staff\_roles | | | |
| staff\_role\_id) | NUMBER(3) | PK(pk\_sroles) |  |
| staff\_id | NUMBER(3) | FK(fk\_sr\_staff) |  |
| role\_id | NUMBER(3) | FK(fk\_sr\_role) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| groups | | | |
| group\_id | NUMBER(3) | PK(pk\_groups) |  |
| activity\_id | NUMBER(3) | NOT NULL |  |
| staff\_role\_id | NUMBER(3) | FK(fk\_g\_staff\_role), NOT NULL |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Attribute** | **Datatypes** | **Constraint** | **Default** |
| reviews | | | |
| review\_id | NUMBER(3) | PK(pk\_review) |  |
| loco | VARCHAR2(20) |  |  |
| checked\_time | DATE |  |  |
| group\_id | NUMBER(3) | FK(fk\_r\_groups) |  |
| plan\_id | NUMBER(3) | FK(fk\_r\_plans) |  |
| stats | VARCHAR2(69) |  |  |
| start\_day | DATE |  |  |
| end\_day | DATE |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Datatypes | Constraint | Default |
| actions | | | |
| action\_id | NUMBER(3) | PK(pk\_action) |  |
| result | VARCHAR2(20) |  |  |
| review\_id | NUMBER(3) | FK(fk\_a\_reviews) |  |
| owner\_name | VARCHAR2(20) |  |  |
| deadline | DATE |  |  |

/\*

- This script file creates all the required tables and sequences for primary key with proper data types

- Integrity order is implemented

\*/

--------------------------------------- RESOURCES ------------------------------------------------

CREATE TABLE resources (

resource\_id NUMBER,

resource\_name VARCHAR2(15),

brief VARCHAR2(20),

cost NUMBER(5)

);

CREATE SEQUENCE resources\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- RESOURCES -------------------------------------------------

--------------------------------------- STAGES ------------------------------------------------

CREATE TABLE stages(

stage\_id NUMBER,

stage\_name VARCHAR2(20)

);

CREATE SEQUENCE stages\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- STAGES ------------------------------------------------

--------------------------------------- ROLES ------------------------------------------------

CREATE TABLE roles(

role\_id NUMBER,

role\_name VARCHAR2(20)

);

CREATE SEQUENCE roles\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- ROLES ------------------------------------------------

--------------------------------------- STAFF ------------------------------------------------

CREATE TABLE staff(

staff\_id NUMBER,

staff\_name VARCHAR2(20) NOT NULL,

staff\_address VARCHAR2(20),

ph\_number VARCHAR2(10) NOT NULL UNIQUE,

-- DEFAULT GENDER VALUE IS SET TO FEMALE "F"

gender CHAR DEFAULT 'F'

);

CREATE SEQUENCE staff\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- STAFF ------------------------------------------------

--------------------------------------- ACTIVITIES -------------------------------------------

CREATE TABLE activities(

activity\_id NUMBER,

activity\_name VARCHAR2(20),

start\_time DATE,

end\_time DATE,

-- BUDGET MUST BE MORE THAN 0

budget NUMBER(5) CHECK(budget > 0)

);

CREATE SEQUENCE activities\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- ACTIVITIES ------------------------------------------------

--------------------------------------- COSTS ------------------------------------------------

CREATE TABLE costs(

cost\_id NUMBER,

activity\_id NUMBER NOT NULL,

total\_cost NUMBER(5),

descript VARCHAR2(20)

);

CREATE SEQUENCE costs\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- COSTS ------------------------------------------------

--------------------------------------- ACTIVITY\_RESOURCES ------------------------------------------------

CREATE TABLE activity\_resources(

activity\_id NUMBER,

resource\_id NUMBER NOT NULL

);

CREATE SEQUENCE activity\_resources\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- ACTIVITY\_RESOURCES ------------------------------------------------

--------------------------------------- PLANS ------------------------------------------------

CREATE TABLE plans(

plan\_id NUMBER ,

activity\_id NUMBER NOT NULL,

stage\_id NUMBER NOT NULL,

start\_day DATE,

end\_day DATE

);

CREATE SEQUENCE plans\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- PLANS ------------------------------------------------

--------------------------------------- STAFF\_ROLES ------------------------------------------------

CREATE TABLE staff\_roles(

staff\_role\_id NUMBER,

staff\_id NUMBER,

role\_id NUMBER

);

CREATE SEQUENCE staff\_roles\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- STAFF\_ROLES ------------------------------------------------

--------------------------------------- GROUPS ------------------------------------------------

CREATE TABLE groups(

group\_id NUMBER ,

staff\_role\_id NUMBER NOT NULL,

activity\_id NUMBER NOT NULL

);

CREATE SEQUENCE groups\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- GROUPS ------------------------------------------------

--------------------------------------- REVIEWS ------------------------------------------------

CREATE TABLE reviews(

review\_id NUMBER ,

loco VARCHAR2(15),

checked\_time DATE,

group\_id NUMBER,

plan\_id NUMBER ,

stats VARCHAR2(10)

);

CREATE SEQUENCE reviews\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- REVIEWS ------------------------------------------------

--------------------------------------- ACTIONS ------------------------------------------------

CREATE TABLE actions(

action\_id NUMBER,

result VARCHAR2(20),

review\_id NUMBER,

owner\_name VARCHAR2(20),

deadline DATE

);

CREATE SEQUENCE actions\_seq MINVALUE 1 MAXVALUE 999 START WITH 1 INCREMENT BY 1 CACHE 20;

--------------------------------------- ACTIONS ------------------------------------------------

/\*

- All the tables have been populated with at least 5 data

- Integrity order is implemented

- TO\_DATE function is used to convert strings into date

\*/

----------------------------STAFF TABLE-------------------------------------

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'KERAB GYAMMIN',

'KATHMANDU',

'9811989898',

'M'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'PYADYUS PYAKUREL',

'KALANKI',

'9869420693',

'F'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'DIABLO DORZEE',

'ATTERKHEL',

'9899909900',

'M'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'BLISSY BLISSED',

'GOKARNESHWOR',

'9804998969',

'M'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'NAYAN KARKI',

'BANESHWOR',

'9801223322',

'M'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'SHRISTI THAPA',

'JORPATI',

'9801223321',

'F'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'VEEPANA THAPA',

'KALANKI',

'9801223311',

'F'

);

INSERT INTO staff (

staff\_id,

staff\_name,

staff\_address,

ph\_number,

gender

)

VALUES(

staff\_seq.NEXTVAL,

'ROCHAN SUNUWAR',

'BATTISPUTALI',

'9801123311',

'M'

);

----------------------------STAFF TABLE-------------------------------------

----------------------------ROLES TABLE-------------------------------------

INSERT INTO roles (

role\_id,

role\_name

)

VALUES (

roles\_seq.NEXTVAL,

'LEADER'

);

INSERT INTO roles(

role\_id,

role\_name

)

VALUES (

roles\_seq.NEXTVAL,

'ENGINEER'

);

INSERT INTO roles(

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'NETWORK MANAGER'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'TREASURER'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'SECURITY'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'PROGRAMMER'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'MANAGER'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'HIRING MANAGER'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'CONCEPT ARTIST'

);

INSERT INTO roles (

role\_id,

role\_name

)

VALUES(

roles\_seq.NEXTVAL,

'DESIGNER'

);

----------------------------ROLES TABLE-------------------------------------

----------------------------RESOURCES TABLE---------------------------------

INSERT INTO resources(

resource\_id,

resource\_name,

brief,

cost

)

VALUES (

resources\_seq.NEXTVAL,

'VEHICLE',

'FOR TRANSPORTATION',

10000

);

INSERT INTO resources(

resource\_id,

resource\_name,

brief,

cost

)

VALUES (

resources\_seq.NEXTVAL,

'COMPUTER',

'FOR STORING DATA',

2000

);

INSERT INTO resources(

resource\_id,

resource\_name,

brief,

cost

)

VALUES (

resources\_seq.NEXTVAL,

'FURNITURE',

'FOR OFFICE PURPOSE',

5000

);

INSERT INTO resources(

resource\_id,

resource\_name,

brief,

cost

)

VALUES (

resources\_seq.NEXTVAL,

'ROOM',

'FOR STORAGE',

3000

);

INSERT INTO resources(

resource\_id,

resource\_name,

brief,

cost

)

VALUES (

resources\_seq.NEXTVAL,

'SERVER',

'USED FOR NETWORK',

1000

);

----------------------------RESOURCES TABLE-----------------------------

----------------------------STAGES TABLE--------------------------------

INSERT INTO stages (

stage\_id,

stage\_name

)

VALUES (

stages\_seq.NEXTVAL,

'DESIGN'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'PROTOTYPE'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'VERTICAL SLICE'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'ALPHA'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'BETA'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'TESTING'

);

INSERT INTO stages

VALUES(

stages\_seq.NEXTVAL,

'COMPLETED'

);

----------------------------STAGES TABLE--------------------------------

----------------------------ACTIVITIES TABLE----------------------------

INSERT INTO activities(

activity\_id,

activity\_name,

start\_time,

end\_time,

budget

)

VALUES(

activities\_seq.NEXTVAL,

'DOOMSDAY GAME',

TO\_DATE('13/09/07', 'DD/MM/RR'),

TO\_DATE('13/09/07', 'DD/MM/RR'),

10000

);

INSERT INTO activities(

activity\_id,

activity\_name,

start\_time,

end\_time,

budget

)

VALUES(

activities\_seq.NEXTVAL,

'TRACEBOOK SITE',

TO\_DATE('13/09/19', 'DD/MM/RR'),

TO\_DATE('13/09/23', 'DD/MM/RR'),

20000

);

INSERT INTO activities(

activity\_id,

activity\_name,

start\_time,

end\_time,

budget

)

VALUES(

activities\_seq.NEXTVAL,

'DOTKA 3',

TO\_DATE('13/09/18', 'DD/MM/RR'),

TO\_DATE('13/09/25', 'DD/MM/RR'),

23000

);

INSERT INTO activities(

activity\_id,

activity\_name,

start\_time,

end\_time,

budget

)

VALUES(

activities\_seq.NEXTVAL,

'HALORANT GAME',

TO\_DATE('13/09/22', 'DD/MM/RR'),

TO\_DATE('13/09/30', 'DD/MM/RR'),

98000

);

INSERT INTO activities(

activity\_id,

activity\_name,

start\_time,

end\_time,

budget

)

VALUES(

activities\_seq.NEXTVAL,

'DOORS 22',

TO\_DATE('13/09/19', 'DD/MM/RR'),

TO\_DATE('13/09/23', 'DD/MM/RR'),

50000

);

----------------------------ACTIVITIES TABLE----------------------------

-- ----------------------------COSTS TABLE---------------------------------

INSERT INTO costs (

cost\_id,

activity\_id,

total\_cost,

descript

)

VALUES (

costs\_seq.NEXTVAL,

1,

500,

'FOR LAUNCHING'

);

INSERT INTO costs (

cost\_id,

activity\_id,

total\_cost,

descript

)

VALUES (

costs\_seq.NEXTVAL,

1,

600,

'FOR DESIGN'

);

INSERT INTO costs (

cost\_id,

activity\_id,

total\_cost,

descript

)

VALUES (

costs\_seq.NEXTVAL,

2,

550,

'FOR SERVER'

);

INSERT INTO costs (

cost\_id,

activity\_id,

total\_cost,

descript

)

VALUES (

costs\_seq.NEXTVAL,

3,

800,

'FOR DATABASE'

);

INSERT INTO costs (

cost\_id,

activity\_id,

total\_cost,

descript

)

VALUES (

costs\_seq.NEXTVAL,

4,

590,

'FOR AIR'

);

-- ----------------------------COSTS TABLE---------------------------------

-- ----------------------------ACTIVITY\_RESOURCES TABLE--------------------

INSERT INTO activity\_resources (

activity\_id,

resource\_id

)

VALUES (

1,

1

);

INSERT INTO activity\_resources (

activity\_id,

resource\_id

)

VALUES (

1,

2

);

INSERT INTO activity\_resources (

activity\_id,

resource\_id

)

VALUES (

1,

3

);

INSERT INTO activity\_resources (

activity\_id,

resource\_id

)

VALUES (

2,

1

);

INSERT INTO activity\_resources (

activity\_id,

resource\_id

)

VALUES (

2,

4

);

-- ----------------------------PLANS TABLE-------------------------------------

INSERT INTO plans (

plan\_id,

activity\_id,

stage\_id,

start\_day,

end\_day

)

VALUES (

plans\_seq.NEXTVAL,

1,

1,

TO\_DATE('13/10/07', 'DD/MM/RR'),

TO\_DATE('13/10/08', 'DD/MM/RR')

);

INSERT INTO plans (

plan\_id,

activity\_id,

stage\_id,

start\_day,

end\_day

)

VALUES (

plans\_seq.NEXTVAL,

1,

2,

TO\_DATE('13/10/08', 'DD/MM/RR'),

TO\_DATE('13/1/09', 'DD/MM/RR')

);

INSERT INTO plans (

plan\_id,

activity\_id,

stage\_id,

start\_day,

end\_day

)

VALUES (

plans\_seq.NEXTVAL,

1,

3,

TO\_DATE('13/1/09', 'DD/MM/RR'),

TO\_DATE('13/10/09', 'DD/MM/RR')

);

INSERT INTO plans (

plan\_id,

activity\_id,

stage\_id,

start\_day,

end\_day

)

VALUES (

plans\_seq.NEXTVAL,

3,

2,

TO\_DATE('13/1/09', 'DD/MM/RR'),

TO\_DATE('13/10/09', 'DD/MM/RR')

);

INSERT INTO plans (

plan\_id,

activity\_id,

stage\_id,

start\_day,

end\_day

)

VALUES (

plans\_seq.NEXTVAL,

2,

1,

TO\_DATE('13/1/09', 'DD/MM/RR'),

TO\_DATE('13/10/09', 'DD/MM/RR')

);

-- ----------------------------Staff\_roles TABLE-------------------------------------

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id

)

VALUES (

staff\_roles\_seq.NEXTVAL,

4,

1

);

INSERT INTO staff\_roles (staff\_role\_id, staff\_id, role\_id)

VALUES (

staff\_roles\_seq.NEXTVAL,

4,

6

);

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id)

VALUES (

staff\_roles\_seq.NEXTVAL,

2,

2

);

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id

)

VALUES (

staff\_roles\_seq.NEXTVAL,

2,

3

);

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id

)

VALUES (

staff\_roles\_seq.NEXTVAL,

3,

2

);

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id

)

VALUES (staff\_roles\_seq.NEXTVAL,

3,

1

);

INSERT INTO staff\_roles

(staff\_role\_id,

staff\_id,

role\_id

)

VALUES (

staff\_roles\_seq.NEXTVAL,

1,

3

);

INSERT INTO staff\_roles (

staff\_role\_id,

staff\_id,

role\_id

)

VALUES (

staff\_roles\_seq.NEXTVAL,

5,

3

);

-- ----------------------------Staff\_roles TABLE-------------------------------------

----------------------------Groups table--------------------------------------

INSERT INTO groups (

group\_id,

staff\_role\_id,

activity\_id

)

VALUES (

groups\_seq.NEXTVAL,

4,

1

);

INSERT INTO groups (

group\_id,

staff\_role\_id,

activity\_id

)

VALUES (

groups\_seq.NEXTVAL,

4,

1

);

INSERT INTO groups (

group\_id,

staff\_role\_id,

activity\_id

)

VALUES (

groups\_seq.NEXTVAL,

4,

1

);

INSERT INTO groups (

group\_id,

staff\_role\_id,

activity\_id

)

VALUES (

groups\_seq.NEXTVAL,

4,

1

);

INSERT INTO groups (

group\_id,

staff\_role\_id,

activity\_id

)

VALUES (

groups\_seq.NEXTVAL,

4,

1

);

----------------------------Groups table--------------------------------------

----------------------------REVIEWS TABLE-------------------------------------

INSERT INTO reviews(

review\_id,

loco,

checked\_time,

group\_id,

plan\_id,

stats

)

VALUES (

reviews\_seq.NEXTVAL,

'Kathamandu',

TO\_DATE('13/6/09', 'DD/MM/RR'),

1,

1,

'Passed'

);

INSERT INTO reviews(

review\_id,

loco,

checked\_time,

group\_id,

plan\_id,

stats

)

VALUES (

reviews\_seq.NEXTVAL,

'Basantapur',

TO\_DATE('03/04/22', 'DD/MM/RR'),

2,

2,

'Processing'

);

INSERT INTO reviews(

review\_id,

loco,

checked\_time,

group\_id,

plan\_id,

stats

)

VALUES (

reviews\_seq.NEXTVAL,

'Bhaktapur',

TO\_DATE('06/05/21', 'DD/MM/RR'),

3,

3,

'Cancelled'

);

INSERT INTO reviews(

review\_id,

loco,

checked\_time,

group\_id,

plan\_id,

stats

)

VALUES (

reviews\_seq.NEXTVAL,

'Purpur',

TO\_DATE('08/05/56', 'DD/MM/RR'),

4,

4,

'Passed'

);

INSERT INTO reviews(

review\_id,

loco,

checked\_time,

group\_id,

plan\_id,

stats

)

VALUES (

reviews\_seq.NEXTVAL,

'Singlepur',

TO\_DATE('16/05/07', 'DD/MM/RR'),

5,

5,

'Pending'

);

-- ----------------------------REVIEWS TABLE-------------------------------------

-- ----------------------------ACTIONS TABLE-------------------------------------

INSERT INTO actions (

action\_id,

result,

review\_id,

owner\_name,

deadline

)

VALUES (

actions\_seq.NEXTVAL,

'Passed',

1,

'Ramesh Ramtel',

TO\_DATE('13/01/09', 'DD/MM/RR')

);

INSERT INTO actions (

action\_id,

result,

review\_id,

owner\_name,

deadline

)

VALUES (

actions\_seq.NEXTVAL,

'Failed',

2,

'Sushank Kc',

TO\_DATE('13/10/09', 'DD/MM/RR')

);

INSERT INTO actions (

action\_id,

result,

review\_id,

owner\_name,

deadline

)

VALUES (

actions\_seq.NEXTVAL,

'Failed',

3,

'Panas Pokharel',

TO\_DATE('13/01/09', 'DD/MM/RR')

);

INSERT INTO actions (

action\_id,

result,

review\_id,

owner\_name,

deadline

)

VALUES (

actions\_seq.NEXTVAL,

'Passed',

4,

'Pasang Sherpa',

TO\_DATE('22/06/21', 'DD/MM/RR')

);

INSERT INTO actions (

action\_id,

result,

review\_id,

owner\_name,

deadline

)

VALUES (

actions\_seq.NEXTVAL,

'Passed',

5,

'Nishedh Karki',

TO\_DATE('23/05/25', 'DD/MM/RR')

);

-- ----------------------------ACTIONS TABLE-------------------------------------

/\*

- All the constraints are declared in the following for all tables

- Foreign keys are cascaded on delete

- Primary keys are given

- Integrity order is implemented

\*/

-----------------------xxxxxxxxxxxxx Resources xxxxxxxxxxxxxxx-----------------------------------

ALTER TABLE resources

ADD CONSTRAINT pk\_resources

PRIMARY KEY (resource\_id);

-----------------------xxxxxxxxxxxxx Resources xxxxxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxxxx Stages xxxxxxxxxxxxx-----------------------------------

ALTER TABLE stages

ADD CONSTRAINT pk\_stages

PRIMARY KEY (stage\_id);

-----------------------xxxxxxxxxxxxxxx Stages xxxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxxxxx Roles xxxxxxxxxxxx-----------------------------------

ALTER TABLE roles

ADD CONSTRAINT pk\_roles

PRIMARY KEY (role\_id);

-----------------------xxxxxxxxxxxxxxxx Roles xxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxxxxxx Staff xxxxxxxxxxx-----------------------------------

ALTER TABLE staff

ADD CONSTRAINT pk\_staff

PRIMARY KEY (staff\_id);

-----------------------xxxxxxxxxxxxxxxxx Staff xxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxxxxxx Activities xxxxxxxxxxx-----------------------------------

ALTER TABLE activities

ADD CONSTRAINT pk\_activities

PRIMARY KEY (activity\_id);

-----------------------xxxxxxxxxxxxxxxxx Activities xxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxxxxxxxx Costs xxxxxxxxx-----------------------------------

ALTER TABLE costs

ADD CONSTRAINT pk\_costs

PRIMARY KEY (cost\_id);

ALTER TABLE costs

ADD CONSTRAINT fk\_c\_activities

FOREIGN KEY (activity\_id)

REFERENCES activities(activity\_id)

ON DELETE CASCADE;

-----------------------xxxxxxxxxxxxxxxxxxx Costs xxxxxxxxx-----------------------------------

-----------------------xxxxxxx Activity\_resources xxxxxxxxxx-----------------------------------

ALTER TABLE activity\_resources

ADD CONSTRAINT fk\_a\_activities

FOREIGN KEY (activity\_id)

REFERENCES activities(activity\_id)

ON DELETE CASCADE;

ALTER TABLE resources

ADD CONSTRAINT fk\_a\_resources

FOREIGN KEY (resource\_id)

REFERENCES resources(resource\_id)

ON DELETE CASCADE;

-- Composite key created from two foreign keys

ALTER TABLE activity\_resources

ADD CONSTRAINT pk\_aresources

PRIMARY KEY (activity\_id, resource\_id);

-----------------------xxxxxxx Activity\_resources xxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxx Plans xxxxxxxxxxxxxxxxx-----------------------------------

ALTER TABLE plans

ADD CONSTRAINT pk\_plans

PRIMARY KEY (plan\_id);

ALTER TABLE plans

ADD CONSTRAINT fk\_p\_activities

FOREIGN KEY (activity\_id)

REFERENCES activities(activity\_id)

ON DELETE CASCADE;

ALTER TABLE plans

ADD CONSTRAINT fk\_p\_stages

FOREIGN KEY (stage\_id)

REFERENCES stages(stage\_id)

ON DELETE CASCADE;

-----------------------xxxxxxxxxxx Plans xxxxxxxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxx Staff\_roles xxxxxxxxxxxxxxx-----------------------------------

ALTER TABLE staff\_roles

ADD CONSTRAINT pk\_sroles

PRIMARY KEY (staff\_role\_id);

ALTER TABLE staff\_roles

ADD CONSTRAINT fk\_sr\_staff

FOREIGN KEY (staff\_id)

REFERENCES staff(staff\_id)

ON DELETE CASCADE;

ALTER TABLE staff\_roles

ADD CONSTRAINT fk\_sr\_roles

FOREIGN KEY (role\_id)

REFERENCES roles(role\_id)

ON DELETE CASCADE;

-----------------------xxxxxxxxxxxxx Staff\_roles xxxxxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxx Groups xxxxxxxxxx-----------------------------------

ALTER TABLE groups

ADD CONSTRAINT pk\_groups

PRIMARY KEY (group\_id);

ALTER TABLE groups

ADD CONSTRAINT fk\_g\_activity

FOREIGN KEY (activity\_id)

REFERENCES activities(activity\_id)

ON DELETE CASCADE;

ALTER TABLE groups

ADD CONSTRAINT fk\_g\_sroles

FOREIGN KEY (staff\_role\_id)

REFERENCES staff\_roles(staff\_role\_id)

ON DELETE CASCADE;

-----------------------xxxxxxx Groups xxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxx Reviews xxxxxxxxxxxxxxxxxxx-----------------------------------

ALTER TABLE reviews

ADD CONSTRAINT pk\_reviews

PRIMARY KEY (review\_id);

ALTER TABLE reviews

ADD CONSTRAINT fk\_r\_group

FOREIGN KEY (group\_id)

REFERENCES groups(group\_id)

ON DELETE CASCADE;

ALTER TABLE reviews

ADD CONSTRAINT fk\_r\_plans

FOREIGN KEY (plan\_id)

REFERENCES plans(plan\_id)

ON DELETE CASCADE;

-----------------------xxxxxxxxxxxx Reviews xxxxxxxxxxxxxxxx-----------------------------------

-----------------------xxxxxxxxxxxxx Actions xxxxxxxxxxxxxxx-----------------------------------

ALTER TABLE actions

ADD CONSTRAINT pk\_action

PRIMARY KEY (action\_id);

ALTER TABLE actions

ADD CONSTRAINT fk\_a\_reviews

FOREIGN KEY (review\_id)

REFERENCES reviews(review\_id)

ON DELETE CASCADE;

-----------------------xxxxxxxxxxxx Actions xxxxxxxxxxxxxxxx-----------------------------------

-- Shows all the rows and columns form tall the tables --

SELECT \* FROM staff;

SELECT \* FROM stages;

SELECT \* FROM resources;

SELECT \* FROM roles;

SELECT \* FROM activities;

SELECT \* FROM costs;

SELECT \* FROM activity\_resources;

SELECT \* FROM plans;

SELECT \* FROM staff\_roles;

SELECT \* FROM groups;

SELECT \* FROM reviews;

SELECT \* FROM actions;

-- Projects staff staff name, staff address and ph number from staff table ordering in decending order of their name

SELECT staff\_name, staff\_address, ph\_number FROM staff

ORDER BY staff\_name DESC;

-- Displays all the staff from Kathmandu

SELECT staff\_name FROM staff WHERE UPPER (staff\_address) = 'KATHMANDU';

-- Displays all the member who is not female

SELECT staff\_name FROM staff where gender <> 'F';

-- Shows the activities which started before current time and has end date after current date

SELECT activity\_name, start\_time, end\_time FROM activities WHERE end\_time > SYSDATE AND SYSDATE > start\_time;

-- Shows staff and their roles by joining staff and roles table linked by staff\_roles table

SELECT staff.staff\_name, roles.role\_name FROM staff INNER JOIN staff\_roles ON staff.staff\_id = staff\_roles.staff\_id

INNER JOIN roles ON staff\_roles.role\_id = roles.role\_id;

-- Shows activity, its review status and action status roles by joining activities, reviews and actions table linked by plans table

SELECT activities.activity\_name, reviews.stats, actions.result FROM activities JOIN plans ON activities.activity\_id = plans.activity\_id

JOIN reviews ON reviews.plan\_id = plans.plan\_id JOIN actions ON actions.review\_id = reviews.review\_id;

---------------------------the following code is for droppping actions table--------------------------

DROP TABLE actions;

DROP SEQUENCE actions\_seq;

PURGE RECYCLEBIN;

------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping reviews table--------------------------

DROP TABLE reviews;

DROP SEQUENCE reviews\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping groups table--------------------------

DROP TABLE groups;

DROP SEQUENCE groups\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping staff\_roles table-----------------------

DROP TABLE staff\_roles;

DROP SEQUENCE staff\_roles\_seq;

PURGE RECYCLEBIN;

----------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping plans table--------------------------

DROP TABLE plans;

DROP SEQUENCE plans\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping activity\_resources table----------------

DROP TABLE activity\_resources;

DROP SEQUENCE activity\_resources\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping costs table--------------------------

DROP TABLE costs;

DROP SEQUENCE costs\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping activities table--------------------------

DROP TABLE activities;

DROP SEQUENCE activities\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping staff table--------------------------

DROP TABLE staff;

DROP SEQUENCE staff\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping roles table--------------------------

DROP TABLE roles;

DROP SEQUENCE roles\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping stages table--------------------------

DROP TABLE stages;

DROP SEQUENCE stages\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

---------------------------the following code is for droppping resources table--------------------------

DROP TABLE resources;

DROP SEQUENCE resources\_seq;

PURGE RECYCLEBIN;

-------------------------------------------------------------------------------------------------------

@G:\ShreeChar\CREATE.sql

@G:\ShreeChar\ALTER.sql

@G:\ShreeChar\INSERT.sql

@G:\ShreeChar\QUERRY.sql

@G:\ShreeChar\DROP.sql