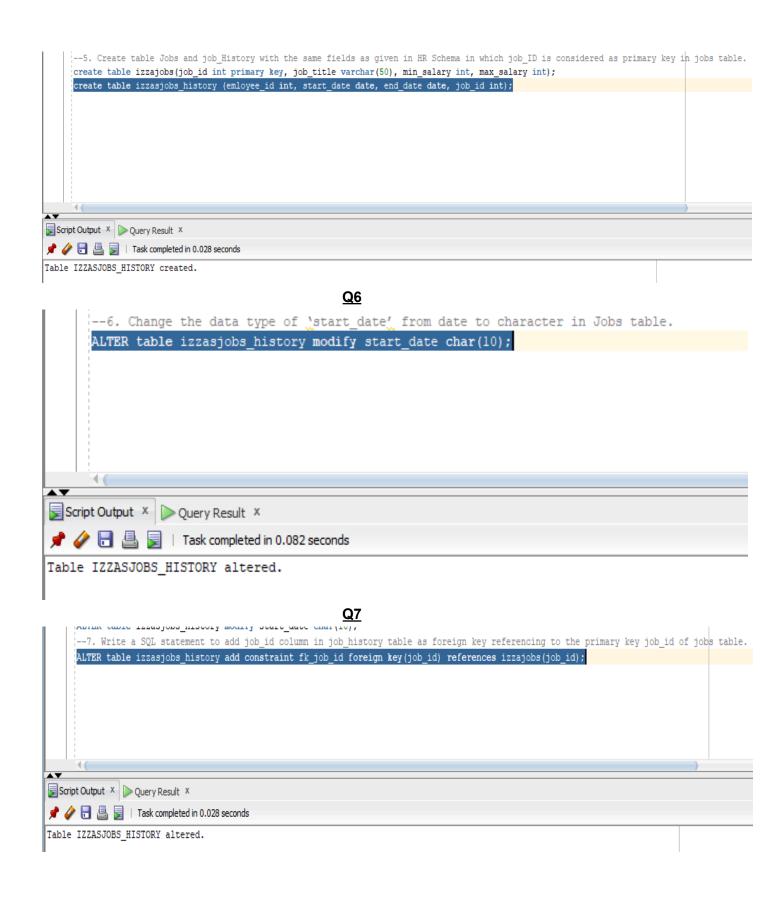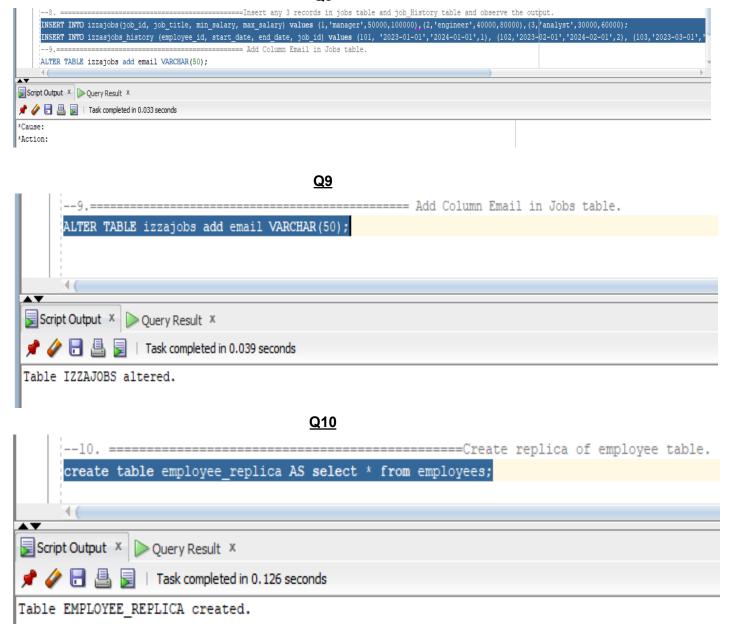# Outputs
Q1(asked to be left)
Q2 & Q3

```
--2. Create a table named as student_record having fields (Name, Roll no, Section, Course and Semester).
create table student_record (Name varchar(50), roll_no int primary key, section varchar(10), course varchar(50), semester varchar(10));
--3. Add your record for the current semester in student_record table.
INSERT INTO student_record (Name, roll_no, section, course, semester) VALUES ('izza', 12, 'A', 'DB', '5');
```

Script Output × | Query Result ×

| Task completed in 0.027 seconds

```
1 row inserted.
```

Q4

```
--4. Now add a new field ( Year ) with the default value '2000' in the student_record table.
ALTER TABLE student_record ADD year INT DEFAULT 2000;
```

Script Output × | Query Result ×

| Task completed in 0.169 seconds

```
Table STUDENT_RECORD altered.
```

Q5

```
--5. Create table Jobs and job_History with the same fields as given in HR Schema in which job_ID is considered as primary key in jobs table.
create table izzajobs(job_id int primary key, job_title varchar(50), min_salary int, max_salary int);
```

Script Output × | Query Result ×

| Task completed in 0.021 seconds

```
Table IZZAJOBS created.
```

```
--5. Create table Jobs and job_History with the same fields as given in HR Schema in which job_ID is considered as primary key in jobs table.
create table izzajobs(job_id int primary key, job_title varchar(50), min_salary int, max_salary int);
create table izzasjobs_history (emloyee_id int, start_date date, end_date date, job_id int);
```

Script Output ✕ ▷ Query Result ✕

📌 🧽 💾 🖨 📋 | Task completed in 0.028 seconds

```
Table IZZASJOBS_HISTORY created.
```

Q6

```
--6. Change the data type of 'start_date' from date to character in Jobs table.
ALTER table izzasjobs_history modify start_date char(10);
```

Script Output ✕ ▷ Query Result ✕

📌 🧽 💾 🖨 📋 | Task completed in 0.082 seconds

```
Table IZZASJOBS_HISTORY altered.
```

Q7

```
ALTER table izzasjobs_history modify start_date char(10);
--7. Write a SQL statement to add job_id column in job_history table as foreign key referencing to the primary key job_id of jobs table.
ALTER table izzasjobs_history add constraint fk_job_id foreign key(job_id) references izzajobs(job_id);
```

Script Output ✕ ▷ Query Result ✕

📌 🧽 💾 🖨 📋 | Task completed in 0.028 seconds

```
Table IZZASJOBS_HISTORY altered.
```

Q8

```
--8. =======================================Insert any 3 records in jobs table and job_History table and observe the output.
INSERT INTO izzajobs(job_id, job_title, min_salary, max_salary) values (1,'manager',50000,100000),(2,'engineer',40000,80000),(3,'analyst',30000,60000);
INSERT INTO izzasjobs_history (employee_id, start_date, end_date, job_id) values (101, '2023-01-01','2024-01-01',1), (102,'2023-02-01','2024-02-01',2), (103,'2023-03-01',
--9.======================================= Add Column Email in Jobs table.
ALTER TABLE izzajobs add email VARCHAR(50);
```

Script Output ✕ ▷ Query Result ✕

📌 ✏ 💾 🖨 📄 | Task completed in 0.033 seconds

```
*Cause:
*Action:
```

Q9

```
--9.================================================= Add Column Email in Jobs table.
ALTER TABLE izzajobs add email VARCHAR(50);
```

📄 Script Output ✕ ▷ Query Result ✕

📌 ✏ 💾 🖨 📄 | Task completed in 0.039 seconds

```
Table IZZAJOBS altered.
```

Q10

```
--10. ===============================================Create replica of employee table.
create table employee_replica AS select * from employees;
```

📄 Script Output ✕ ▷ Query Result ✕

📌 ✏ 💾 🖨 📄 | Task completed in 0.126 seconds

```
Table EMPLOYEE_REPLICA created.
```

Q11

```
--11.========================================================== Write a SQL statement to add employee_id column in job_his
ALTER TABLE izzasjobs_history ADD employee_id INT;
ALTER TABLE izzasjobs_history ADD CONSTRAINT fk_employee_id FOREIGN KEY (employee_id) REFERENCES employees(employee_id);
--==========================================================12. Drop column Email.
ALTER TABLE izzajobs DROP COLUMN email;
--13. ALTER table EMPLOYEE created in question 10 and apply the constraint CHECK on First_Name attribute such that ENAME shou
ALTER TABLE employees ADD CONSTRAINT chk_first_name_uppercase CHECK (First_Name = UPPER(First_Name));
-- 14. ==========================================================ALTER table EMPLOYEE created in question 10 and apply the const
ALTER TABLE employees ADD CONSTRAINT unique_salary UNIQUE (Salary);
--15. ==========================ALTER table Employee created in question 10 and apply constraint on Phone No such that Pho
```

Script Output x

Task completed in 0.043 seconds

```
Error report -
ORA-01430: column being added already exists in table
01430. 00000 -  "column being added already exists in table"
*Cause:
*Action:
```

```
--11.========================================================== Write a SQL statement to add employee_id column in job_history table as foreign key refe
ALTER TABLE izzasjobs_history ADD employee_id INT;
ALTER TABLE izzasjobs_history ADD CONSTRAINT fk_employee_id FOREIGN KEY (employee_id) REFERENCES employees(employee_id);
--==========================================================12. Drop column Email.
ALTER TABLE izzajobs DROP COLUMN email;
--13. ALTER table EMPLOYEE created in question 10 and apply the constraint CHECK on First_Name attribute such that ENAME should always be inserted in capit
ALTER TABLE employees ADD CONSTRAINT chk_first_name_uppercase CHECK (First_Name = UPPER(First_Name));
-- 14. ==========================================================ALTER table EMPLOYEE created in question 10 and apply the constraint on Salary attribute such
ALTER TABLE employees ADD CONSTRAINT unique_salary UNIQUE (Salary);
--15. ==========================ALTER table Employee created in question 10 and apply constraint on Phone No such that Phone No should not be entered em
```

Script Output x

Task completed in 0.066 seconds

```
Error report -
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q12

```
--==========================================================12. Drop column Email.
ALTER TABLE izzajobs DROP COLUMN email;
```

Script Output x

Task completed in 0.317 seconds

```
*Cause:
*Action:

Table IZZAJOBS altered.
```

Q13

```
--13. ALTER table EMPLOYEE created in question 10 and apply the constraint CHECK on First_Name attribute such that ENAME should always be inserted in capital letters.
ALTER TABLE employees ADD CONSTRAINT chk_first_name_uppercase CHECK (First_Name = UPPER(First_Name));
```

Script Output ×

Task completed in 0.059 seconds

```
Error report -
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q14

```
-- 14. =============================================ALTER table EMPLOYEE created in question 10 and apply the constraint on Salary attribute such that no two salaries of the
ALTER TABLE employees ADD CONSTRAINT unique_salary UNIQUE (Salary);
```

Script Output ×

Task completed in 0.041 seconds

```
Error report -
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q15

```
--15. =============================ALTER table Employee created in question 10 and apply constraint on Phone_No such that Phone_No should not be entered empty (Hint modify).
ALTER TABLE employees MODIFY Phone_No VARCHAR(20) NOT NULL;
```

Script Output ×

Task completed in 0.069 seconds

```
Error report -
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q16

```
--=================================================16. Write a SQL statement to insert one row into the table employees.
INSERT INTO employees (employee_id, First_Name, Last_Name, Salary, Phone_No) VALUES (1, 'John', 'Doe', 50000, '123-456-7890');
```

Script Output ×

Task completed in 0.1 seconds

```
Error report -
SQL Error: ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q17

```
--17. Write a SQL statement to add a primary key for a combination of columns employee_id and job_id in employees table, give the reason why this command is showing error.
ALTER TABLE employees ADD CONSTRAINT pk_employee_job PRIMARY KEY (employee_id, job_id);
```

Task completed in 0.035 seconds
```
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q18

```
--18.======================================== Write a SQL statement to add an index named indx_job_id on job_id column in the table job_history.
CREATE INDEX indx_job_id ON izzasjobs_history (job_id);
```

Task completed in 0.075 seconds
```
*Action:

Index INDX_JOB_ID created.
```

Q19

```
--19.======================================== Write a SQL statement to remove employee table's data but not the schema.
TRUNCATE TABLE employees;
```

Task completed in 0.073 seconds
```
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```

Q20

```
--20.======================================== Write a SQL statement to remove employee table.
DROP TABLE employees;
```

Task completed in 0.074 seconds
```
ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:
```