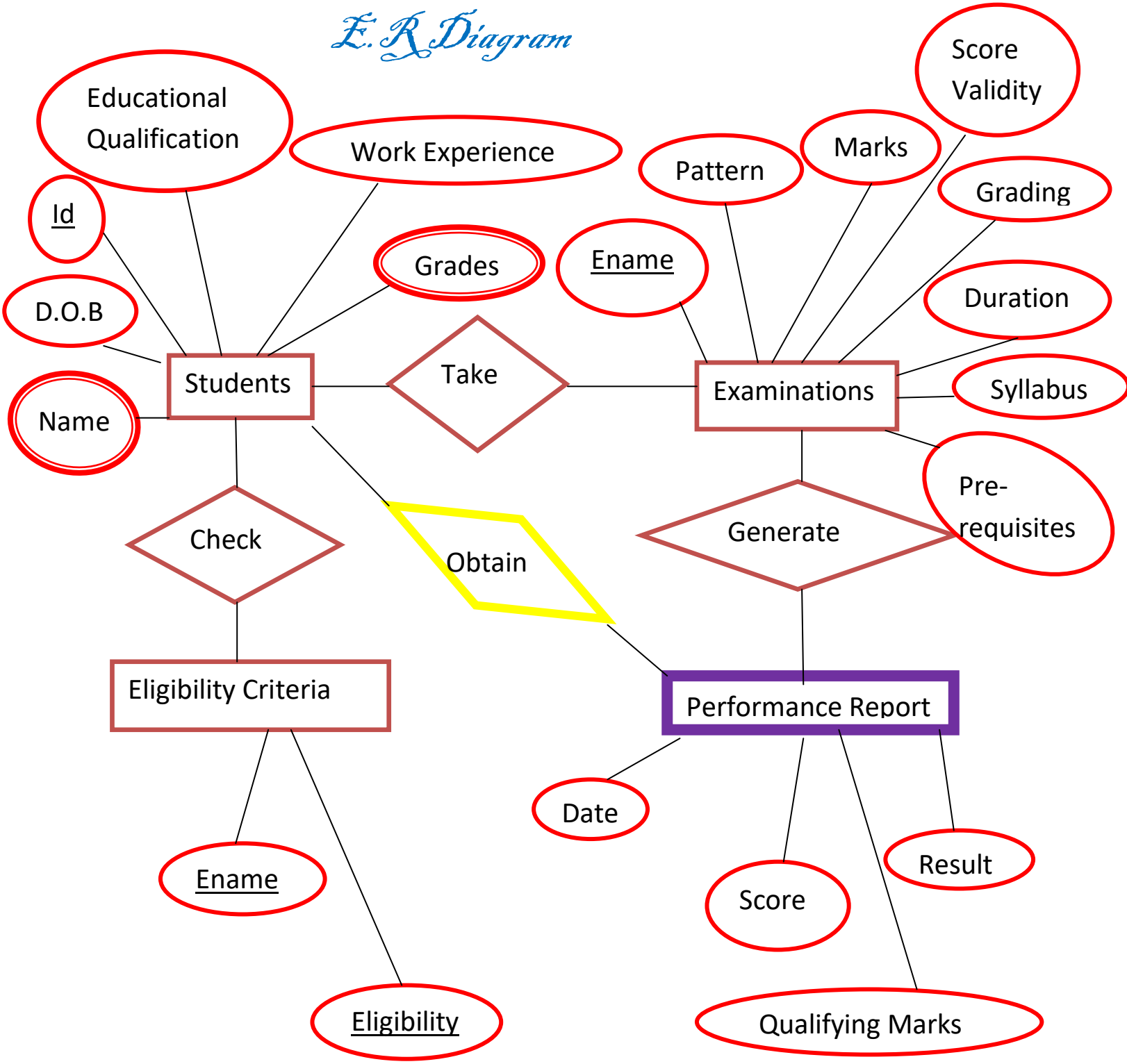
E.R Diagram
Educational Qualification
Work Experience
Id
Grades
D.O.B
Students
Name
Take
Ename
Pattern
Marks
Score Validity
Grading
Duration
Examinations
Syllabus
Pre-requisites
Generate
Check
Obtain
Eligibility Criteria
Performance Report
Ename
Eligibility
Date
Score
Result
Qualifying Marks

Abstract

This project primarily deals with the management of the information related to the competitive exams. With the increasing competitive spirit among the students who resort to attempt numerous such tests, it has become more important to provide and secure the information about such exams at one place so that it's easier to get the gist of what those exams require and test as it can provide everything from how to register, checking the eligibility criteria and how the score is generated. The project is implemented by SQL at the front end and by JAVA at the back-end.

Requirement Analysis

The basic requirements for this project are 8 tables and 20 attributes in all. Out of the 8 tables, there are 4 entity sets and 4 relationship sets. The information given below is the list of all attributes with respect to their tables:-

1. ***Students:-***
    a) ***Name:*** *A multi-valued attribute comprising the name of the student. (Char)*
    b) ***D.O.B:*** *An attribute containing the date of birth of the student. (Date)*
    c) ***Id:*** *A primary key attribute which contains unique number which distinguishes a student. (Varchar)*
    d) ***Educational Qualification:*** *An attribute that comprises of the academic qualifications of a student. (Varchar)*
    e) ***Work Experience:*** *An attribute that contains information about industry exposure and internship details, if any. (Number)*
    f) ***Grades:*** *A multi-valued attribute that contains details about the grades secured by the student in class 10, class 12, Bachelor's degree. (Varchar)*
2. ***Examinations:-***
    a) ***Ename:*** *The attribute which has the name of the examination. (Char)*

b) ***Pattern:*** *The attribute containing the details of the exam i.e. whether it's an objective type or subjective type or both. (Char)*

c) ***Marks:*** *An attribute used for holding the total marks of the examination. (Number)*

d) ***Score Validity:*** *It contains the time duration from the date of results until the final score of the exam is valid i.e. accepted by organizations or universities. (Number)*

e) ***Grading:*** *It contains details about the how the exam is graded. (Varchar)*

f) ***Duration:*** *It contains the duration of the exam. (Varchar)*

g) ***Syllabus:*** *It stores the syllabus of the exam. (Char)*

h) ***Pre-requisites:*** *It holds down a basic/essential necessities for a student to appear for the exam. (Varchar)*

3. ***Eligibility Criteria:***

a) ***Eligibility:*** *It checks whether a student is eligible for the exam or not. (Varchar)*

b) ***Ename:*** *It contains the name of the exam. (Char)*

4. ***Performance Report:(weak entity set)***

a) ***Date:*** *It stores the date of publication of the result. (Date)*

b) ***Score:*** *It consists of the score obtained by the student. (Number)*

c) ***Qualifying Marks:*** *It contains the minimum marks required to qualify the exam. (Number)*

d) ***Result:*** *It stores the final result (pass/fail) of the student. (Char)*

5. ***Take:*** *It's a relationship set between Students set and Examinations set.*
6. ***Check:*** *It's a relationship set between Students set and Eligibility Criteria set.*
7. ***Generate:*** *It's a relationship set between Examinations set and Performance Report set.*
8. ***Obtain:*** *It's a weak-entity relationship set between Students set and Performance Report set.*

Key Constraints

Alter the tables by enforcing various constraints like Primary Key, Foreign Key etc.

In Students table, Id is a Primary Key Constraint because it's unique; Name is a Not Null Constraint.

In Examinations table, Ename is the Primary key Constraint because it's unique.

In Performance Report, result is the Primary Key Constraint.

In Eligibility Criteria table, Ename and Eligibility are the Primary Key Constraints.

In Check table, Id is the Foreign Key Constraint.

In Take table, Id and Ename are the Foreign Key Constraints.

In Generate table, Ename and Result are the Foreign Key Constraints.

In Obtain table, Id and Result are the Foreign Key Constraints.

Logical Database Design (DDL Commands)

```
SQL> create Table Students(
  2  Name char(50),
  3  DOB DATE,
  4  Id varchar(20),
  5  Educational_Qualifications varchar(50),
  6  Work_Experience varchar(10),
  7  Grades varchar(50));

Table created.

SQL> desc Students;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 NAME                                               CHAR(50)
 DOB                                                DATE
 ID                                                 VARCHAR2(20)
 EDUCATIONAL_QUALIFICATIONS                         VARCHAR2(50)
 WORK_EXPERIENCE                                    VARCHAR2(10)
 GRADES                                             VARCHAR2(50)

SQL> create table Examinations(
```

```
SQL> create table Examinations(
  2  Ename char(50),
  3  Pattern char(50),
  4  Marks Number(5),
  5  Score_Validity varchar(20),
  6  grading varchar(50),
  7  duration varchar(30),
  8  syllabus varchar(50),
  9  pre_requisites varchar(50));

Table created.

SQL> desc Examinations;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ENAME                                              CHAR(50)
 PATTERN                                            CHAR(50)
 MARKS                                              NUMBER(5)
 SCORE_VALIDITY                                     VARCHAR2(20)
 GRADING                                            VARCHAR2(50)
 DURATION                                           VARCHAR2(30)
 SYLLABUS                                           VARCHAR2(50)
 PRE_REQUISITES                                     VARCHAR2(50)
```

```
SQL> create table Performance_Report(
  2  Date_Of_Publishing Date,
  3  Score Number(10),
  4  Qualifying_Marks Number(10),
  5  Result varchar(20));

Table created.

SQL> desc Persformance_Report;
ERROR:
ORA-04043: object Persformance_Report does not exist


SQL> desc Performance_Report;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DATE_OF_PUBLISHING                                 DATE
 SCORE                                              NUMBER(10)
 QUALIFYING_MARKS                                   NUMBER(10)
 RESULT                                             VARCHAR2(20)

SQL> create Table Eligibility_Criteria(
  2  Ename char(50),
  3  Eligibility char(20));

Table created.

SQL> desc Eligibility_Criteria;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ENAME                                              CHAR(50)
 ELIGIBILITY                                        CHAR(20)
```

```
SQL> alter table Students ADD PRIMARY KEY(Id);

Table altered.

SQL> alter table Students Modify(name char
  2
SQL> alter table Students Modify(name char(50) CONSTRAINT nn_name NOT NULL);

Table altered.

SQL> DESC Students;
 Name                                       Null?    Type
 ----------------------------------------- -------- ----------------------------
 NAME                                       NOT NULL CHAR(50)
 DOB                                                 DATE
 ID                                         NOT NULL VARCHAR2(20)
 EDUCATIONAL_QUALIFICATIONS                          VARCHAR2(50)
 WORK_EXPERIENCE                                     VARCHAR2(10)
 GRADES                                              VARCHAR2(50)
```

```
SQL> alter table Examinations ADD PRIMARY KEY(Ename);

Table altered.

SQL> desc Examinations;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ENAME                                     NOT NULL CHAR(50)
 PATTERN                                            CHAR(50)
 MARKS                                              NUMBER(5)
 SCORE_VALIDITY                                     VARCHAR2(20)
 GRADING                                            VARCHAR2(50)
 DURATION                                           VARCHAR2(30)
 SYLLABUS                                           VARCHAR2(50)
 PRE_REQUISITES                                     VARCHAR2(50)
```

```
SQL> alter table Performance_Report ADD PRIMARY KEY(Result);

Table altered.

SQL> desc Performance_Report;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DATE_OF_PUBLISHING                                 DATE
 SCORE                                              NUMBER(10)
 QUALIFYING_MARKS                                   NUMBER(10)
 RESULT                                    NOT NULL VARCHAR2(20)
```

```
SQL> alter table Eligibility_Criteria ADD PRIMARY KEY(Ename,Eligibility);

Table altered.

SQL> desc Eligibility_Criteria;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ENAME                                     NOT NULL CHAR(50)
 ELIGIBILITY                               NOT NULL CHAR(20)

SQL> create table Take(Id varchar2(20), Ename char(50), Foreign KEY(Id) REFERENCES Students(Id), Foreign Key(Ename) REFERENCES Examinations(Ename));


Table created.
```

```
SQL> create table Checks(Id varchar2(20), Eligibility char(20),Ename Char(50), Foreign Key(Id) REFERENCES Students(Id));

Table created.

SQL> create table Generate(Ename char(50),Result varchar(20), Foreign Key(Ename) REFERENCES Examinations(Ename), Foreign Key(Result) REFERENCES Performance_Report(Resul
t));

Table created.

SQL> create table Obtain(Id varchar(20), Result varchar(20), Foreign Key(Id) REFERENCES Students(Id), Foreign Key(Result) References Performance_Report(Result));

Table created.

SQL> desc check;
ERROR:
ORA-00931: missing identifier


SQL> desc Checks;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ID                                                 VARCHAR2(20)
 ELIGIBILITY                                        CHAR(20)
 ENAME                                              CHAR(50)

SQL> desc Take;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ID                                                 VARCHAR2(20)
 ENAME                                              CHAR(50)

SQL> desc Generate;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ENAME                                              CHAR(50)
 RESULT                                             VARCHAR2(20)

SQL> desc Obtain;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ID                                                 VARCHAR2(20)
 RESULT                                             VARCHAR2(20)

SQL>
```

Modification of database (DML Commands)

```
SQL> Insert into Students Values('Omkar','16-May-1999','CAT21-100','B.E','6 MONTHS','CLASS

1 row created.

SQL> Insert into Students Values('Saurin','30-April-2000','CAT21-100','B.Com','6 MONTHS','
Insert into Students Values('Saurin','30-April-2000','CAT21-100','B.Com','6 MONTHS','CLASS
*
ERROR at line 1:
ORA-00001: unique constraint (SYSTEM.SYS_C004115) violated


SQL> Insert into Students Values('Saurin','30-April-2000','CAT21-99','B.Com','6 MONTHS','C

1 row created.

SQL> Insert into Students Values('Jiya','14-MAY-1999','CAT21-98','B.B.A','6 MONTHS','CLASS

1 row created.

SQL> Insert into Students Values('Omkar','16-MAY-1999','GMAT20-100','B.E','6 MONTHS','CLAS

1 row created.

SQL> Insert into Students Values('Karan','10-APRIL-1999','GMAT20-101','B.B.A','6 MONTHS','

1 row created.
```

```
SQL> select* from Students;

NAME                                                DOB
--------------------------------------------------- ---------
ID                   EDUCATIONAL_QUALIFICATIONS
-------------------- ------------------------------------------------------
WORK_EXPER GRADES
---------- ----------------------------------------------------
Omkar                                               16-MAY-99
CAT21-100            B.E
6 MONTHS   CLASS-10:94%,CLASS-12:97.3%,B.E:9.8

Saurin                                              30-APR-00
CAT21-99             B.Com
6 MONTHS   CLASS-10:94%,CLASS-12:96.8%,B.Com:9.8

NAME                                                DOB
--------------------------------------------------- ---------
ID                   EDUCATIONAL_QUALIFICATIONS
-------------------- ------------------------------------------------------
WORK_EXPER GRADES
---------- ----------------------------------------------------

Jiya                                                14-MAY-99
CAT21-98             B.B.A
6 MONTHS   CLASS-10:94%,CLASS-12:98.9%,B.B.A:10

Omkar                                               16-MAY-99
GMAT20-100           B.E

NAME                                                DOB
--------------------------------------------------- ---------
ID                   EDUCATIONAL_QUALIFICATIONS
-------------------- ------------------------------------------------------
WORK_EXPER GRADES
---------- ----------------------------------------------------
6 MONTHS   CLASS-10:94%,CLASS-12:98.9%,B.E:9.8

Karan                                               10-APR-99
GMAT20-101           B.B.A
6 MONTHS   CLASS-10:96%,CLASS-12:99.9%,B.B.A:10
```

```
SQL> Insert into Examinations values('CAT','Objective and Subjective',300,'1 year','Correct answer-+3marks,Wrong answer-(-1marks)','3 hours','QA,VARC,DILR','Class-10:50
%,Class-12:40%,Bachelors:40%');

1 row created.
```

```
SQL> Insert into Examinations values('GMAT','Objective and Subjective',800,'5 years','Correct answer-variable,Wrong answer-(0marks)','3 hours','QA,VARC,DILR','Class-10:
50%,Class-12:40%,Bachelors:40%');

1 row created.

SQL> Insert into Examinations values('GRE','Objective and Subjective',340,'5 years','Correct answer-variable,Wrong answer-(0marks)','3 hours','QA/IR,VARC','Class-10:50%
,Class-12:40%,Bachelors:40%');

1 row created.

SQL> Insert into Examinations values('UPSC-CSE','Objective and Subjective',2025,'1 year','Correct answer-variable,Wrong answer-(0/-1marks)','29 hours','QA/IR,VARC,GS,OP
TIONAL','Class-10:50%,Class-12:40%,Bachelors:40%');

1 row created.

SQL> Insert into Examinations values('TOEFL','Objective and Subjective',120,'2 years','Correct answer-variable,Wrong answer-(0marks)','4 hours 20 minutes','VARC','Class
-10:50%,Class-12:40%,Bachelors:40%');

1 row created.
```

```
SQL> select* from Examinations;

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ----------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
CAT

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ----------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Objective and Subjective                                   300

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ----------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
1 year               Correct answer-+3marks,Wrong answer-(-1marks)
```

```
ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- -----------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
3 hours

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- -----------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
QA,VARC,DILR

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- -----------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Class-10:50%,Class-12:40%,Bachelors:40%

ENAME
--------------------------------------------------
```

```
ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------


ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
GMAT

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Objective and Subjective                                  800

ENAME
--------------------------------------------------
```

```
ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
5 years              Correct answer-variable,Wrong answer-(0marks)

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
3 hours

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
QA,VARC,DILR

ENAME
```

```
ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Class-10:50%,Class-12:40%,Bachelors:40%

ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------


ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
UPSC-CSE

ENAME
```

```
ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Objective and Subjective                                2025

ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
1 year               Correct answer-variable,Wrong answer-(0/-1marks)

ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
29 hours

ENAME
```

```
ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
QA/IR,VARC,GS,OPTIONAL

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Class-10:50%,Class-12:40%,Bachelors:40%

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------


ENAME
```

```
ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
TOEFL

ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Objective and Subjective                                 120

ENAME
--------------------------------------------------
PATTERN                                                MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
2 years              Correct answer-variable,Wrong answer-(0marks)

ENAME
```

```
ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
4 hours 20 minutes

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
VARC

ENAME
--------------------------------------------------
PATTERN                                                 MARKS
-------------------------------------------------- ----------
SCORE_VALIDITY       GRADING
-------------------- ---------------------------------------------------
DURATION
------------------------------
SYLLABUS
--------------------------------------------------
PRE_REQUISITES
--------------------------------------------------
Class-10:50%,Class-12:40%,Bachelors:40%

ENAME
```

```
SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'PASSED','CAT21-100');

1 row created.

SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'PASSED','CAT21-99');
Insert into Performance_Report values('28-DECEMBER-2021',280,100,'PASSED','CAT21-99')
*
ERROR at line 1:
ORA-00001: unique constraint (SYSTEM.SYS_C004118) violated


SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'QUALIFIED','CAT21-99');

1 row created.

SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'PASS','CAT21-98');

1 row created.

SQL> SELECT*FROM PERFORMANCE_REPORT;

DATE_OF_P      SCORE QUALIFYING_MARKS RESULT              ID
--------- ---------- --------------- -------------------- --------------------
28-DEC-21        280             100 PASSED               CAT21-100
28-DEC-21        280             100 QUALIFIED            CAT21-99
28-DEC-21        280             100 PASS                 CAT21-98
```

```
SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'QUALIFIED','CAT21-99');

1 row created.

SQL> Insert into Performance_Report values('28-DECEMBER-2021',280,100,'PASS','CAT21-98');

1 row created.

SQL> SELECT*FROM PERFORMANCE_REPORT;

DATE_OF_P      SCORE QUALIFYING_MARKS RESULT              ID
--------- ---------- --------------- -------------------- --------------------
28-DEC-21        280             100 PASSED               CAT21-100
28-DEC-21        280             100 QUALIFIED            CAT21-99
28-DEC-21        280             100 PASS                 CAT21-98

SQL> Insert into Obtain values('CAT21-98','PASSED');

1 row created.

SQL> Insert into Obtain values('CAT21-99','PASSED');

1 row created.

SQL> Insert into Obtain values('CAT21-100','PASSED');

1 row created.
```

```
SQL> Insert into Eligibility_Criteria values('CAT','BACHELORS DEGREE');

1 row created.

SQL> Insert into Eligibility_Criteria values('GMAT','BACHELORS DEGREE');

1 row created.

SQL> Insert into Eligibility_Criteria values('TOEFL','BACHELORS DEGREE');

1 row created.

SQL> Insert into Eligibility_Criteria values('UPSC-CSE','BACHELORS DEGREE');

1 row created.

SQL> Insert into Eligibility_Criteria values('GRE','BACHELORS DEGREE');

1 row created.
```

```
SQL> SELECT* FROM ELIGIBILITY_CRITERIA;

ENAME                                              ELIGIBILITY
-------------------------------------------------- --------------------
CAT                                                BACHELORS DEGREE
GMAT                                               BACHELORS DEGREE
TOEFL                                              BACHELORS DEGREE
UPSC-CSE                                           BACHELORS DEGREE
GRE                                                BACHELORS DEGREE
```

```
SQL> INSERT INTO TAKE VALUES('CAT21-100','CAT');

1 row created.

SQL> INSERT INTO TAKE VALUES('CAT21-99','CAT');

1 row created.

SQL> INSERT INTO TAKE VALUES('CAT21-98','CAT');

1 row created.

SQL> SELECT* FROM TAKE;

ID                   ENAME
-------------------- --------------------------------------------------
CAT21-100            CAT
CAT21-99             CAT
CAT21-98             CAT
```

```
SQL> INSERT INTO TAKE VALUES('GMAT20-100','GMAT');

1 row created.

SQL> INSERT INTO TAKE VALUES('GMAT20-101','GMAT');

1 row created.

SQL> SELECT* FROM TAKE;

ID                   ENAME
-------------------- --------------------------------------------------
CAT21-100            CAT
CAT21-99             CAT
CAT21-98             CAT
GMAT20-100           GMAT
GMAT20-101           GMAT
```

```
SQL> INSERT INTO CHECKS VALUES('CAT21-100','CAT','B.E');

1 row created.

SQL> INSERT INTO CHECKS VALUES('CAT21-99','CAT','B.Com');

1 row created.

SQL> INSERT INTO CHECKS VALUES('CAT21-98','CAT','B.B.A');

1 row created.

SQL> INSERT INTO CHECKS VALUES('GMAT20-100','GMAT','B.E');

1 row created.

SQL> INSERT INTO CHECKS VALUES('GMAT20-101','GMAT','B.B.A');

1 row created.
```

```
SQL> SELECT* FROM CHECKS;

ID                   ELIGIBILITY
-------------------- --------------------
ENAME
--------------------------------------------------
CAT21-100            CAT
B.E

CAT21-99             CAT
B.Com

CAT21-98             CAT
B.B.A

ID                   ELIGIBILITY
-------------------- --------------------
ENAME
--------------------------------------------------
GMAT20-100           GMAT
B.E

GMAT20-101           GMAT
B.B.A
```