APTITUDE QUIZ PERFORMANCE ANALYSIS

ABSTRACT:

The analysis of student performance in aptitude quiz exam can be done using this application as a mediator interface.

The student details are entered along with the examination center details of aptitude quiz exam. Everyone gets a score card wherein they get the marks of each section and get the result whether they are passed or failed.

The database consists of the student details and the score card of each and every student in that particular list.

Requirement Analysis:

List of tables:

- *Student details*
- *writes/attempts*
- *Aptitude quiz exam*
- *Scores*
- *Marks scored*

List of attributes with their domain types:

Student_details:

NAME: VARCHAR2(20)

HALLTICKET: NUMBER (5)

MAIL_ID: VARCHAR2(20)

CLASS: VARCHAR2(20)

Apptitude_quiz_exam:

DURATION   NUMBER(5)

HALLTICKET   VARCHAR2(20)

EXAM_CENTER   VARCHAR2(20)

Marks_scored:

LOGICAL_REASONING   NUMBER(5)

VERBAL_ABILITY   NUMBER(5)

QUANTITATIVE_APTITUDE   NUMBER(5)

RESULT   VARCHAR2(10)

SHEET_ID   VARCHAR2(10)

APTITUDE_QUIZ_MARKS:

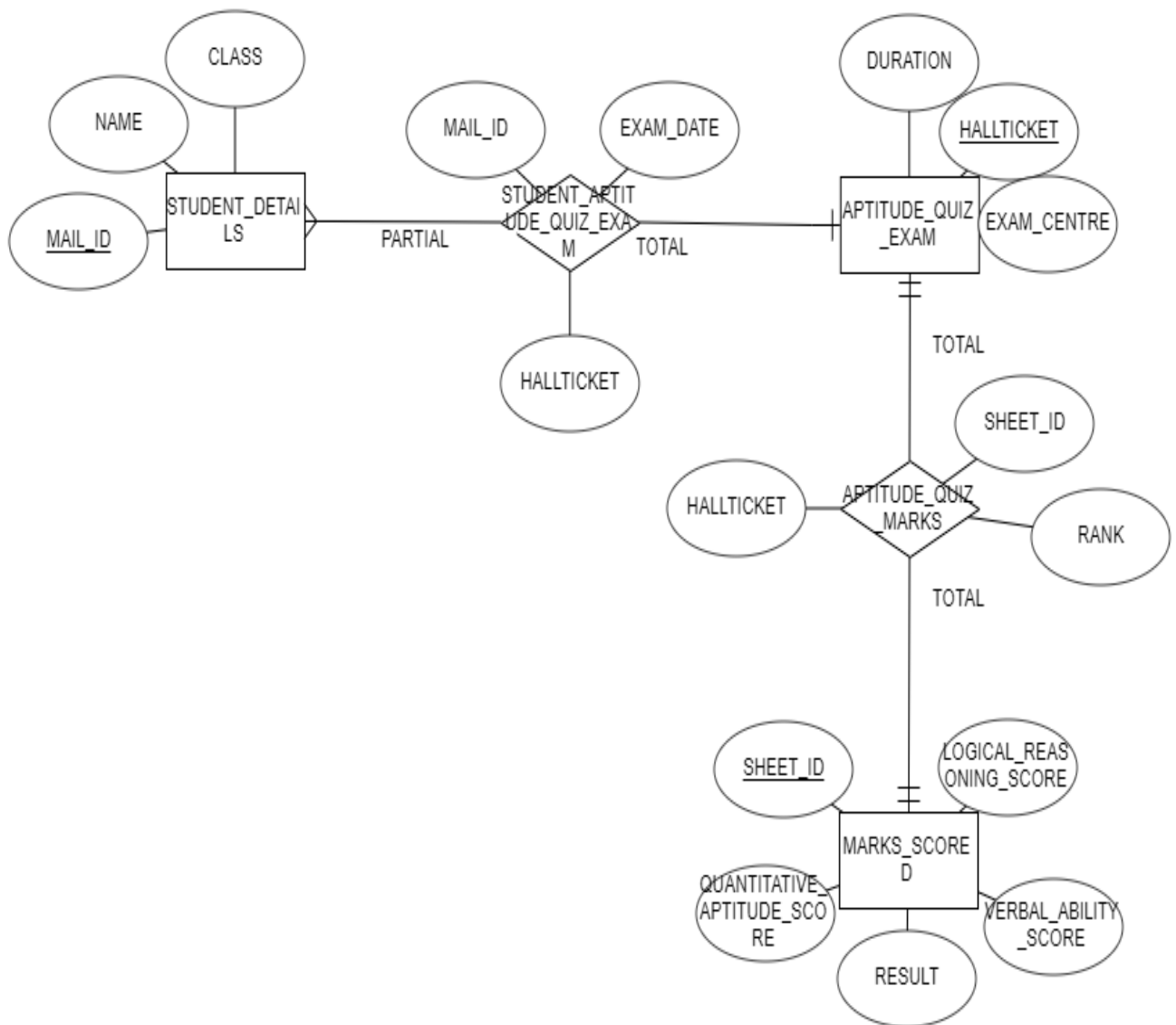RANK   NUMBER(10)

SHEET_ID   VARCHAR2(10)

HALLTICKET   VARCHAR2(10)

STUDENT_APTITUDE_QUIZ_EXAM:

EXAM_DATE   DATE

MAIL_ID   VARCHAR2(10)

HALLTICKET   VARCHAR2(10)

ER DIAGRAM:

Title: APTITUDE QUIZ PERFORMANVE ANALYSIS.

MAPPING CARDINALITIES AND PARTICIPATION CONSTRAINTS:

▫ One student can give any number of exams, so many to one cardinality suit writes.

▫ Each student who writes the exam has one score card, so one to one cardinality suit scores.

→   All the students might not write the exam so the student details is partial.

→   All the exams written are related to students so it is total.

→   Marks scored by students in the exam must be related to the exam so it is total participation.

DDL AND DML COMMANDS:

SQL>create table student_details(

    2 hallticket number(5) primary key,

    3 name varchar2(20),

    4 mail_id varchar2(20),

    5 class varchar2(20));

Table created.

SQL> create table aptitude_quiz_exam(

  2 duration number(5),

  3 hallticket varchar2(20),

  4 exam_center varchar2(20));

Table created.

SQL> create table marks_scored(

  2 logical_reasoning number(5),

  3 verbal_ability number(5),

  4 quantitative_aptitude number(5),

  5 result varchar2(20),

  6 hallticket number(5));

Table created.

SQL> create table APTITUDE_QUIZ_MARKS(

  2 rank number(10));

 3 sheet_id varchar2(20);

4 hallticket varchar2(20);

Table created.

SQL> create table STUDENT_APTITUDE_QUIZ_EXAM (

  2 exam_date date);

Table created.

SQL> desc student_details;

Name	Null?	Type
HALLTICKET	NOT NULL	NUMBER(5)
NAME		VARCHAR2(20)
MAIL_ID		VARCHAR2(20)
CLASS		VARCHAR2(20)

SQL> desc aptitude_quiz_exam;

Name   Null?   Type

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

DURATION   NUMBER(5)

HALLTICKET   VARCHAR2(20)

EXAM_CENTER   VARCHAR2(20)

SQL> desc marks_scored;

Name   Null?   Type

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

LOGICAL_REASONING   NUMBER(5)

VERBAL_ABILITY   NUMBER(5)

QUANTITATIVE_APTITUDE   NUMBER(5)

RESULT   VARCHAR2(20)

HALLTICKET   NUMBER(5)

SQL> desc APTITUDE_QUIZ_MARKS;

Name   Null?   Type

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

RANK   NUMBER(10)

HALLTICKET   VARCHAR2(20)

SHEET_ID   VARCHAR2(20)

SQL> DESC STUDENT_APTITUDE_QUIZ_EXAM;

Name   Null?   Type

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

MAIL_ID   VARCHAR2(20)

HALLTICKET   VARCHAR2(20)

EXAM_DATE   VARCHAR2(20)

SQL> alter table scores(

  2 alter table scores add (hallticket number(5));

Table altered.

SQL> alter table writes add(hallticket number(5));

Table altered.

SQL> insert into student_details values(&hallticket,'&name','&mail_id','&class');

Enter value for hallticket: 061

Enter value for name: abhi

Enter value for mail_id: abhi123@gmail.com

Enter value for class: btech 2nd year

old   1: insert into student_details values(&hallticket,'&name','&mail_id','&class')

new   1: insert into student_details values(061,'abhi','abhi123@gmail.com','btech 2nd year')

1 row created.

SQL> /

Enter value for hallticket: 071

Enter value for name: ajay

Enter value for mail_id: ajayband@yahoo.com

Enter value for class: btech 4th year

old   1: insert into student_details values(&hallticket,'&name','&mail_id','&class')

new   1: insert into student_details values(071,'ajay','ajayband@yahoo.com','btech 4th year')

1 row created.

SQL> /

Enter value for hallticket: 88

Enter value for name: badri

Enter value for mail_id: badri143@gmail.com

Enter value for class: btech 3rd year

old   1: insert into student_details values(&hallticket,'&name','&mail_id','&class')

new   1: insert into student_details values(88,'badri','badri143@gmail.com','btech 3rd year')

1 row created.

SQL> /

Enter value for hallticket: 98

Enter value for name: ram

Enter value for mail_id: ramnath@gmail.com

Enter value for class: btech2nd year

old   1: insert into student_details values(&hallticket,'&name','&mail_id','&class')

new   1: insert into student_details values(98,'ram','ramnath@gmail.com','btech2nd year')

1 row created.

SQL> /

Enter value for hallticket: 110

Enter value for name: vaishnavi

Enter value for mail_id: vaisho4@gmail.com

Enter value for class: btech 2nd year

old   1: insert into student_details values(&hallticket,'&name','&mail_id','&class')

new   1: insert into student_details values(110,'vaishnavi','vaisho4@gmail.com','btech 2nd year')

1 row created.

SQL> insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center');

Enter value for duration: 3

Enter value for hallticket: 061

Enter value for exam_center: banjara hills

old   1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new   1: insert into aptitude_quiz_exam values (3,'061','banjara hills')

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 071

Enter value for exam_center: narsingi

old   1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new   1: insert into aptitude_quiz_exam values (3,'071','narsingi')

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 88

Enter value for exam_center: mehdipatnam

old   1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new   1: insert into aptitude_quiz_exam values (3,'88','mehdipatnam')

1 row created.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 98

Enter value for exam_center: miyapur

old   1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new   1: insert into aptitude_quiz_exam values (3,'98','miyapur')

1 row created.

Title: APTITUDE QUIZ PERFORMANVE ANALYSIS.

SQL> /

Enter value for duration: 3

Enter value for hallticket: 110

Enter value for exam_center: jubliee hills

old   1: insert into aptitude_quiz_exam values (&duration,'&hallticket','&exam_center')

new   1: insert into aptitude_quiz_exam values (3,'110','jubliee hills')

1 row created.

SQL> insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket);

Enter value for logical_reasoning: 22

Enter value for verbal_ability: 21

Enter value for quantitative_aptitude: 20

Enter value for result: pass

Enter value for hallticket: 061

old   1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket)

new   1: insert into marks_scored values(22,21,20,'pass',061)

1 row created.

SQL> /

Enter value for logical_reasoning: 09

Enter value for verbal_ability: 11

Enter value for quantitative_aptitude: 1

Enter value for result: fail

Enter value for hallticket: 071

old   1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket)

new   1: insert into marks_scored values(09,11,1,'fail',071)

1 row created.

SQL> /

Enter value for logical_reasoning: 19

Enter value for verbal_ability: 16

Enter value for quantitative_aptitude: 14

Enter value for result: pass

Enter value for hallticket: 88

old   1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket)

new   1: insert into marks_scored values(19,16,14,'pass',88)

1 row created.

SQL> /

Enter value for logical_reasoning: 3

Enter value for verbal_ability: 2

Enter value for quantitative_aptitude: 4

Enter value for result: fail

Enter value for hallticket: 98

old   1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket)

new   1: insert into marks_scored values(3,2,4,'fail',98)

1 row created.

SQL> /

Enter value for logical_reasoning: 24

Enter value for verbal_ability: 25

Enter value for quantitative_aptitude: 23

Enter value for result: pass

Enter value for hallticket: 110

old   1: insert into marks_scored values(&logical_reasoning,&verbal_ability,&quantitative_aptitude,'&result',&hallticket)

new   1: insert into marks_scored values(24,25,23,'pass',110)

1 row created.

SQL> insert into writes values('&exam_date',&hall_ticket);

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 061

old   1: insert into writes values('&exam_date',&hall_ticket)

new   1: insert into writes values('03-FEB-2020',061)

1 row created.

SQL> /

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 071

old   1: insert into writes values('&exam_date',&hall_ticket)

new   1: insert into writes values('03-FEB-2020',071)

1 row created.

SQL> /

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 88

old   1: insert into writes values('&exam_date',&hall_ticket)

new   1: insert into writes values('03-FEB-2020',88)

1 row created.

SQL> /

Enter value for exam_date: 19-OCT-2019

Enter value for hall_ticket: 98

old   1: insert into writes values('&exam_date',&hall_ticket)

new   1: insert into writes values('19-OCT-2019',98)

1 row created.

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SQL> /

Enter value for exam_date: 03-FEB-2020

Enter value for hall_ticket: 110

old   1: insert into writes values('&exam_date',&hall_ticket)

new   1: insert into writes values('03-FEB-2020',110)

1 row created.

SQL> INSERT INTO scores values(&rank,&hallticket);

Enter value for rank: 1

Enter value for hallticket: 061

old   1: INSERT INTO scores values(&rank,&hallticket)

new   1: INSERT INTO scores values(1,061)

1 row created.

SQL> /

Enter value for rank: 9999

Enter value for hallticket: 071

old   1: INSERT INTO scores values(&rank,&hallticket)

new   1: INSERT INTO scores values(9999,071)

1 row created.

SQL> /

Enter value for rank: 179767246

Enter value for hallticket: 88

old   1: INSERT INTO scores values(&rank,&hallticket)

new   1: INSERT INTO scores values(179767246,88)

1 row created.

SQL> /

Enter value for rank: 97536

Enter value for hallticket: 98

old   1: INSERT INTO scores values(&rank,&hallticket)

new   1: INSERT INTO scores values(97536,98)

1 row created.

SQL> /

Enter value for rank: 432

Enter value for hallticket: 110

old   1: INSERT INTO scores values(&rank,&hallticket)

new   1: INSERT INTO scores values(432,110)

1 row created.

SQL> select * from student_details;

HALLTICKET NAME   MAIL_ID   CLASS

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      61 abhi   abhi123@gmail.com   btech 2nd year

      71 ajay   ajayband@yahoo.com   btech 4th year

      88 badri   badri143@gmail.com   btech 3rd year

      98 ram   ramnath@gmail.com   btech2ndyear

     110 vaishnavi   vaisho4@gmail.com   btech2ndyear

SQL> select * from aptitude_quiz_exam;

 DURATION HALLTICKET   EXAM_CENTER

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      3   061   banjara hills

      3   071   narsingi

3	88	mehdipatnam
3	98	miyapur
3	110	jubliee hills

SQL> select * from marks_scored;

LOGICAL_REASONING VERBAL_ABILITY QUANTITATIVE_APTITUDE RESULT

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HALLTICKET

| | 22 | 21 | 20 pass |
| 61 | | | |

| | 9 | 11 | 1 fail |
| 71 | | | |

| | 19 | 16 | 14 pass |
| 88 | | | |

LOGICAL_REASONING VERBAL_ABILITY
QUANTITATIVE_APTITUDE RESULT

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HALLTICKET

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          3   2   4 fail
    98

          24   25   23 pass
     110

SQL> select * from STUDENT_APTITUDE_QUIZ_EXAM;

MAIL_ID   HALLTICKET   EXAM_DATE

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abhi123@gmail.com   061   03-FEB-2020

badri143@gmail.com   88   03-FEB-2020

ajayband@yahoo.com   071   03-FEB-2020

ramnath@gmail.com   98   27-FEB-2020

vaish04@gmail.com   110   03-FEB-2020

SQL> select * from APTITUDE_QUIZ_MARKS;

RANK	HALLTICKET	SHEET_ID
1	061	123
9999	071	134
179767246	88	145
97536	98	189
432	110	210