Title: APTITUDE QUIZ PERFORMANVE ANALYSIS.

APTITUDE QUIZ PERFORMANCE ANALYSIS

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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:

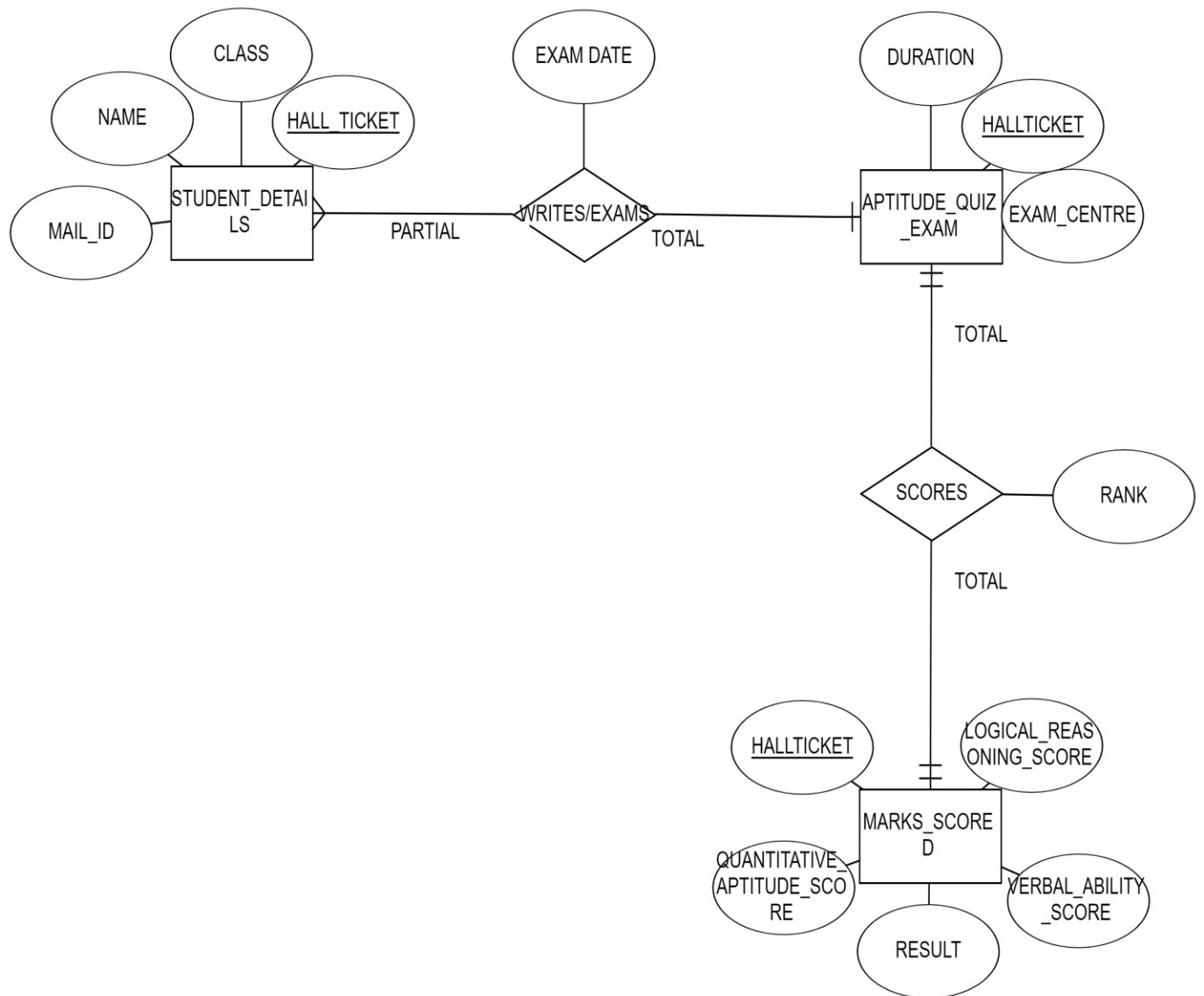LOGICAL_REASONING   NUMBER(5)

VERBAL_ABILITY   NUMBER(5)

QUANTITATIVE_APTITUDE   NUMBER(5)

RESULT   VARCHAR2(10)

HALLTICKET   NUMBER(5)

Scores:

RANK   NUMBER(10)

Writes:

EXAM_DATE   DATE

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ER DIAGRAM:

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 scores(

2 rank number(10));

Table created.

SQL> create table writes(

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 writes;

Name	Null?	Type
EXAM_DATE		DATE
HALLTICKET		NUMBER(5)

SQL> DESC scores;

Name	Null?	Type
RANK		NUMBER(10)
HALLTICKET		NUMBER(5)

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: vaish04@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','vaish04@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.

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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_ap
titude,'&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_ap
titude,'&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_ap
titude,'&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.

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

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

        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

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

        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

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          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

----

          3   2   4 fail
    98

          24   25   23 pass
    110

SQL> select * from writes;

EXAM_DATE HALLTICKET

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03-FEB-20   61

03-FEB-20   71

03-FEB-20   88

19-OCT-19   98

03-FEB-20   110

SQL> select * from scores;

RANK HALLTICKET

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        1   61

     9999   71

179767246   88

    97536   98

      432   110