

2. Mr.Sikulu is the manager of a school's Career's department. He has been told to use-Database Management System (DBMS) to update records for an examinations data. Perform the following operations just like Sikulu would:

- a)
 i) Create a relational database with four table; Class List, Mathematics, Science and Humanities.

Class List contains the following fields; Class, Student Id, First Name, Last Name. Mathematics Details contains Students Id, Cat series, and Mark. Science Details contains Students Id, subject, Cat series, and Mark, Humanities Details contains Students Id, subject, Cat series, and Mark. Draw a diagram that shows the relationship between the tables and the data type for each field (8 Marks)

iii) Save as Careers 1 (1 Mark)

b) Input the following Data (13 Marks)

CLASS LIST

CLASS No.	STUDID	First NAME	SURNAME
1w	A0005	ALISTAIR	GOULD
1w	A0015	ANDREW	MURIUKI
1w	A0008	DENNIS	KIPKORIR
1w	A0001	FRANCIS	GACHANGI
1w	A0014	GERALD	MORWABE
1w	A0002	JOHN	GACHANJA
1w	A0009	JOHN	KIRUMBA
1w	A0004	KEVIN	GATIMU
1w	A0011	MBITHI	MASYA
1w	A0003	MICHAEL	GAIKO
1w	A0007	MICHAEL	KIMANI
1w	A00012	MOHAMED	MOHAMED
1w	A00013	MWENDWA	MOKI
1w	A0006	PHARES	KARIUKI
1w	A0010	WILSON	KOPONDO

MATHEMATICS

STUDID	Cat 1	Cat 2
A0001	59	89
A0002	45	53
A0003	98	88
A0004	35	36
A0005	74	70
A0006	52	35
A0007	35	40
A0008	25	26
A0009	63	87
A0010	58	42
A0011	74	70
A0012	96	90
A0013	78	63
A0014	10	12
A0015	04	36

Humanities - history

Std	Cat 1	Cat 2
A0001	78	36
A0002	63	78
A0003	98	88
A0004	35	36
A0005	74	70
A0006	52	89
A0007	63	40
A0008	25	26
A0009	56	87
A0010	99	42
A0011	74	70
A0012	96	90
A0013	69	96
A0014	85	12
A0015	65	85

Science - Physics

Std	Cat 1	Cat 2
A0001	78	36
A0002	63	78
A0003	98	88
A0004	35	36
A0005	74	70
A0006	52	89
A0007	63	40
A0008	25	26
A0009	56	87
A0010	99	42
A0011	74	70
A0012	96	90
A0013	69	96
A0014	85	12
A0015	65	85

- i) Create a query that contains the Students Id and the students' first name of students who have an average score of more than 70%. Save the query as excellent. (15 Marks)
- ii) Make a query that would display all students' details of students whose surname and first name start with letter M. Save the query as M. (4 Marks)
- iii) Make a query from it to produce a report that calculates the total scores for each Student and save the report as score. (8 Marks)
- iv) PRINT Excellent and score. (1 Marks)