. (-) 55 ignment - 03.

Own main work & to design and implement a relational database majorment system (RDBMS) foor XYZ
University, and to ensure data integrity supports complex queries and improves the overall efficiency of university operations.

And to develop normalization.

Lets keep 6 tables for RDBMs.

1. Student Table:

Attributes:

- i) Student ID (PK)
- ii) First name
- iii) Last name
- iv) DOB
- v) Email .
- vi) Phno:
- vii) Address.

SQL: En - Imministed -

CREATE TABLE students &

st.ID INT PRIMARY KEY,

First-name VARCHAR (50),

Last-name VARCHAR (50),

DOB DATE,

Email VARCHAR (100),

Ph.no VARCHAR (10),

Adrs VARCHAR (255)

ragiment

ENSERT INTO

9	ID	First-name	Last. name	DOB	Email	Ph-no	Adrs
	17	Kewin	Wilkins	19/03/2006	c.v.kewinegowil	9087784136	Koclaikand
	32	Jack	Spanow	14/03/1753	JS@yahocom	617489362	Caribbean

2. Course Table:

- · Coarse ID (PK)
- · Cowse name
- · Description

SQL: CREATE TABLE Courses CourseID. INT PRIMARY KEY, Course Name, VARCHAR (100), Desc TEXT, · Envaluent ID (PK). A (Name Course_ID It is Database Management 6174 topic in full, System 3. Faculty: FID (PK) · First-name · Last name. · Email star start 3 FORFIGN KEY (S.II) REHERENCES S FORFIGN KEY (CID) REFERENCES: JOS CREATE TABLE FACULTY (FID INT PRIMARY KEY, First-name VARCHAR (50), Last-name VARCHAR (50), Email VARCHAR (100), Ph_ro VAR(HAR(15));

FID First-name	Last-name	Email	Ph_no	Dept	
173 DR JOHN	JUSTINE	JohnJustine	9629689		
UNI VADIO	NTIPPE	gmail.com	100-126	CSE (A)	
18 (100).	VPRCHK	rselvour.			
Envollement		VPELHALL			
*I monemen	No.	c TEXT.	Des		
	· Enrolla	ment.ID (PA	1.0.		
			9.		
	• St-I		a in		
7500	· C-ID	(FK)	A A	1-2m0)	
1990 0 00	· E-Da	Sustem	Datab		
	21422 1	· 142(156)	•		
SQL:					
CREATE TABLE Enrollement (
The state of the s					
E-ID INT PRIMARY KEY,					
STO	DENTER	e the new			
C-	ID IN	IT,			
		TE, Frail, T			
		011110			
FD	REIGIN KI	EY (S_ID) REF	FRENCES	Cl. letela	
FC	REIMIN K	EY (C.ID) REFE	- NEWCES .	tudens (5-	
);		- 1 C-IDINETE	KENCES C	o wised CI	
11					

E-ID	S_ID	C-ID	E-DATE
6174	(700)	173	11.07.2024
	(08) %	t manne Vilke (100	18.3
77	• • • •	o VERRIFOR(18)	

6. GIRADE :.

- · G-ID (PK)
- · E-ID (FK)
- · Grade
- · Or- Date.

. CREATE TABLE Grades (

GI-ID INT PRIMARY KEY,

E'ID INT,

Orrade CHAR(1),

OI-Date DATE,

Foreign KEY (E-ID) REFERENCES Envoll (E-ID)

G-ID	E-ID	· GRADE	G- DATE
7	6174	, 5	11.07.2024
• • •			•••

Normalization:

- . , NF Ensure PK => Eliminate repealations.
- 2NF Remove partialities.
- . 3 NF Remove transitive dependencies.