عرفان رفیعی اسکویی – 98243027

سوال **1)**

Employee_manage_Department	
PK,FK1	EMPLOYEE_SSN not null
PK,FK2	DEPARTMENT_NAME not null
PK,FK3	DEPARTMENT_NUMBER not null
	START_DATE not null

Employee	
PK	SSN int not null
FK	Supervisor
FK	DEPARTMENT_NAME not null
FK	DEPARTMENT_NUMBER not null
	FNAME char(30) not null
	MINIT char(1) not null
	LNAME char(30) not null
	SEX int not null
	SALARY float not null
	BDATE date not null
	ADDRESS null

Department	
PK	NAME char(50) not null
PK	Number int not null

Department_locations	
PK,FK1	NAME char(50) not null
PK,FK2	NUMBER int not null
PK,FK3	LOCATION char(100)

Dependent	
PK	NAME char(30) not null
FK	EMPLOYEE_SSN int not null
	SEX int not null
	BIRTHDATE date not null
	RELATIONSHIP char(50) not null

Project	
PK	NAME char(50) not null
PK	NUMBER int not null
FK	DEPARTMENT_NAME
FK	DEPARTMENT_NUMBER
	LOCATION char(100)

Employee_works_Project	
PK,FK1	Employee_SSN int not null
PK,FK2	PROJECT_NAME char(50)_ not null
PK,FK2	PROJECT_NUMBER int_ not null
	HOURS int not null

Transaction

PK	TR_ID int not null
FK	CUST_ID
	TR_TYPE int not null

Customer_phone

PK	CUST_ID
	PH_NO char(11) not null

Customer_hold_Account

PK,FK1	CUST_ID
PK,FK2	ACC_NO

Account

PK	ACC_NO int not null
	ACC_TYPE int not null
	BALANCE float not null

Customer

PK	CUST_ID int not null
	CUST_NAME char(30) not null

Customer_address

PK	CUST_ID
	COUNTRY char(50) not null
	STATE char(50) not null
	PIN int not null

Customer_operate_ATM

PK,FK2	CUST_ID
PK,FK1	ATM_ID

ATM

PK	ATM_ID int not null
FK	B_ID int not null
	CASH_LIMIT float not null
	LOCATION char(100) not null

Bank

PK	B_ID int not null
	B_NAME char(30) not null
	B_ADD char(30) not null

Branch

PK	BR_ID int not null
FK	B_ID
	BR_NAME char(30) not null
	COUNTRY char(30) not null
	STATE char(30) not null
	PIN int not null

STUDENT_ADDRESS

PK,FK1	STUDENT_ID int not null
	DOOR# int not null
	STREET char(50) not null
	CITY char(30) not null
	STATE char(30) not null
	PIN int not null

Student

PK	STUDENT_ID int not null
	STUDENT_NAME char(30) not null
	DOB date not null

Student_hobby

PK,FK1	STUDENT_ID
PK	HOBBY char(100) not null

Student_attend_Course

PK,FK1	STUDENT_ID
PK,FK2	COURSE_ID

Course

PK	COURSE_ID int not null
	COURSE_NAME char(50) not null

Subjects

PK	SUBJECT_ID
FK	LECTURER_ID
FK	COURSE_ID
	SUBJECT_NAME char(50) not null

Lecturer_take_Course

PK,FK1	COURSE_ID
PK,FK2	LECTURER_ID

Lecturer

PK	LECTURER_ID int not null
FK	STUDENT_ID
	LECTURER_NAME char(50) not null