

Fatima Jinnah Women University

Department of Software Engineering

LAB EXERCISE 1

Name: Raifa Khalid

Reg. no: 2020-BSE-024

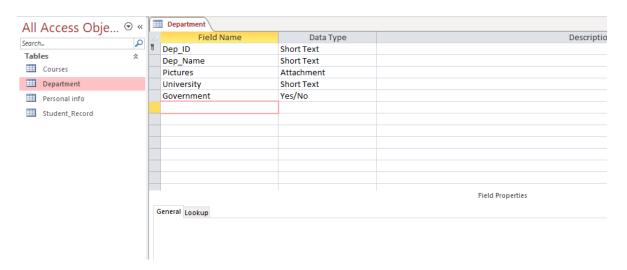
Section: A

Semester: Fourth

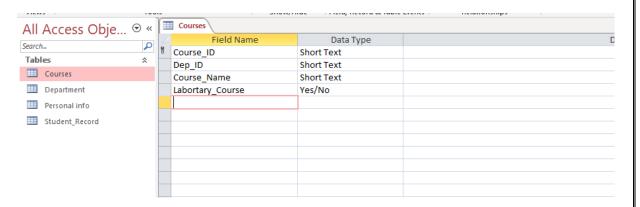
Course: Data Base (LAB)

Create a database having following tables.

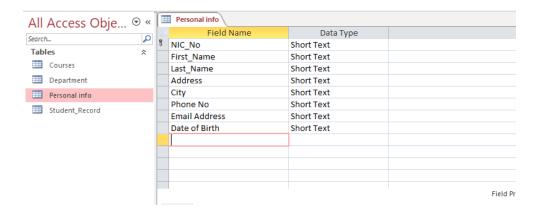
• Department (Representing different departments of university)



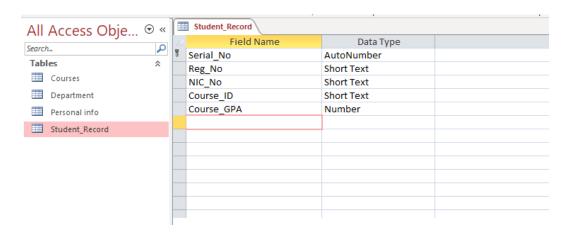
• Courses (Representing courses for different departments)



Personal Info (Representing personal info of student)

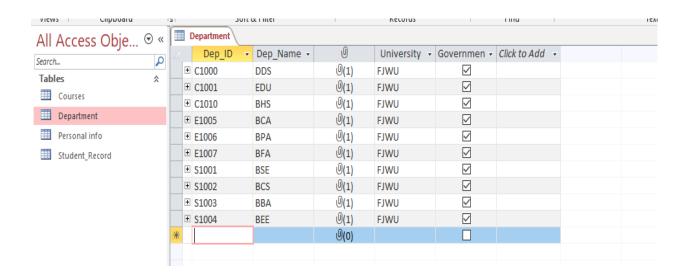


• Student Record (Representing course GPA of specific student)

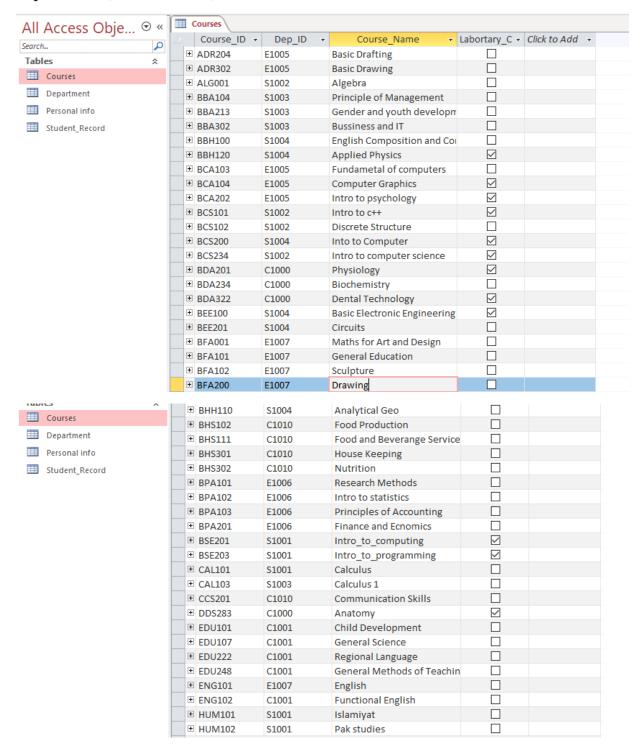


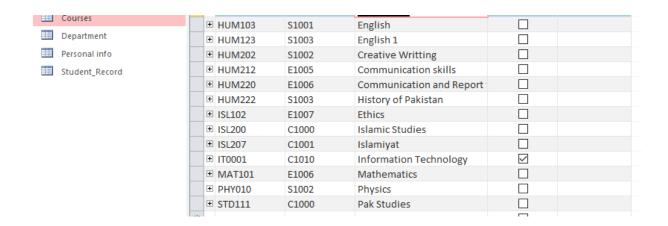
TASK 02

Assign the following dep_Id to the following departments and insert the data for other related fields.

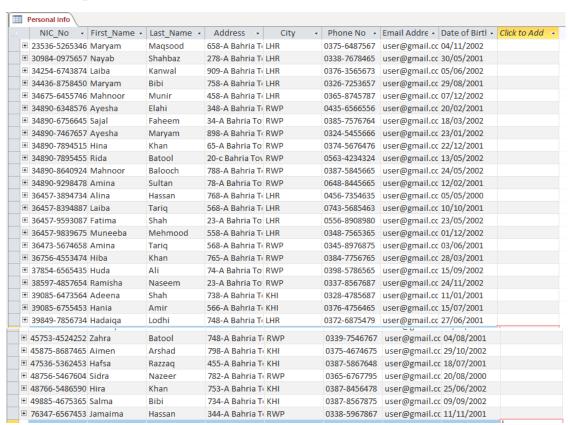


Assign six courses to each department representing the courses for each department (first semester) and insert the data for other related fields.



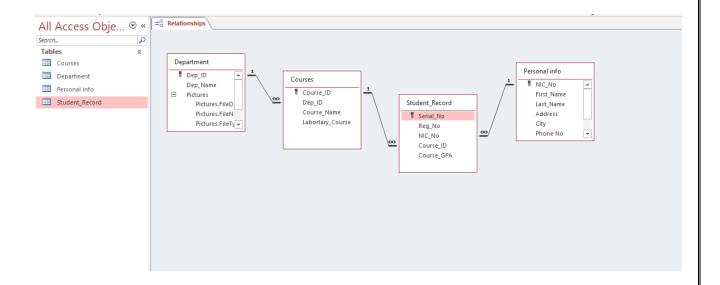


Insert data for 30 students in personal info and student record table, 3 students of each department.



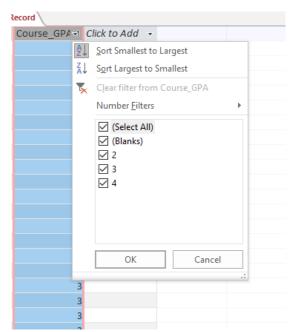
Student_Record										
∠ Serial_No →	Reg_No -	NIC_No -	Course_ID -	Course_GPA →	Click to Add 🔻					
1	2020-BSE-01	23536-5265346	ADR204	3						
2	2020-BSE-02	30984-0975657	ADR302	3						
3	2020-BSE-03	34254-6743874	BCA103	3						
4	2020-BSE-04	34436-8758450	ALG001	3						
5	2020-BSE-05	34675-6455746	BCS101	3						
6	2020-BSE-06	34890-6348576	BCS234	4						
7	2020-BSE-07	34890-6756645	BBA104	3						
8	2020-BSE-08	34890-7467657	BBA302	3						
9	2020-BSE-09	34890-7894515	CAL103	2						
10	2020-BSE-10	34890-7895455	BBH100	3						
11	2020-BSE-11	34890-8640924	BBH120	3						
12	2020-BSE-12	34890-9298478	BCS200	3						
13	2020-BSE-13	36457-3894734	BCA103	3						
14	2020-BSE-14	36457-8394887	BCA104	4						
15	2020-BSE-15	36457-9593087	BCA202	3						
16	2020-BSE-16	36457-9839675	BDA201	4						
17	2020-BSE-17	36473-5674658	BDA234	3						
18	2020-BSE-18	36756-4553474	BDA322	3						
19	2020-BSE-19	37854-6565435	BFA001	3						
20	2020-BSE-20	38597-4857654	BFA102	3						
21	2020-BSE-21	39085-6473564	BFA200	3						
22	2020-BSE-22	39085-6755453	BHS111	3						
23	2020-BSE-23	39849-7856734	BHS302	3						
24	2020-BSE-24	45753-4524252	BHS301	3						
25	2020-BSE-25	45875-8687465	BPA103	3						
26	2020-BSE-26	47536-5362453	BPA101	3						
27	2020-BSE-27	48756-5467604	BPA201	3						
28	2020-BSE-28	48766-5486590	EDU222	3						
29	2020-BSE-29	49885-4675365	EDU222	3						
30	2020-BSE-30	76347-6567453	EDU248	3						
4 (Now)				0						

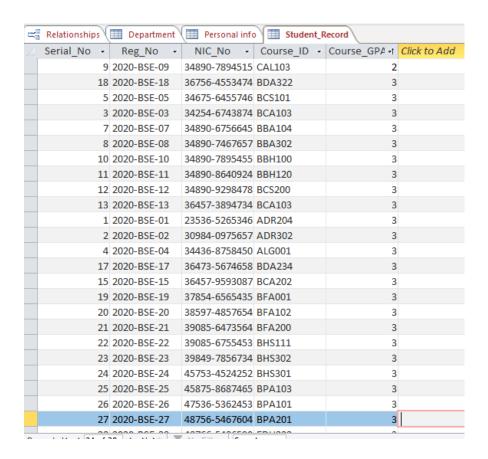
Create the relationship between the tables created above and also make sure "Enforcement of referential Integrity".



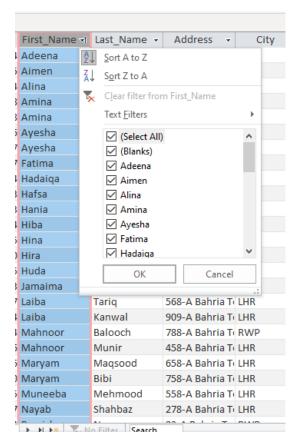
TASK 06

a. Sort all the students record according to GPA

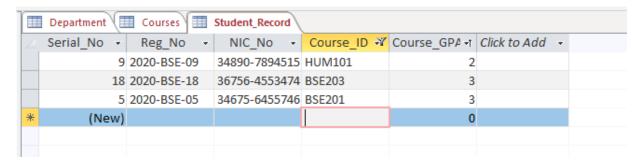




b. Sort all the student Alphabetically



c. Filter all the students records for BSE only



d. Show all students records having registered course PF only

/	Serial_No -	Reg_No -	NIC_No -	Course_ID -7	Course_GPA +1	Click to Add →	
	18	2020-BSE-18	36756-4553474	BSE203	3		
	5	2020-BSE-05	34675-6455746	BSE201	3		
e	(New)				0		