Computing Homework

Information Systems Design & Development

Name:	

Grade:

Structures and Links (Databases) - 2

Answer the questions below in the spaces provided.

1. The Community School of Blairinloch runs evening classes for adults. They keep student records as shown in the table below.

STUDENT TABLE

Student Number	First Name	Surname	Gender	Occupation status	Course Code
3891	Duncan	Lindsay	M	Retired	A143
4124	Margaret	James	F	Retired	A143
4269	Megan	McDonald	F	Student	A143
6123	Liam	Davies	M	Job Seeker	B876
7250	Ross	Campbell	M	Full time	B876
6545	Kerr	Marsh	M	Other	C129
2638	Elizabeth	Johnston	F	Part time	C133

The college keep a separate table detailing courses.

COURSE TABLE

Course Code	Course name	Start date	Day held	Time	Tutor	Venue
C129	Floral Art	14 October	Tuesday	17:30	M Colman	Art 01
B133	Dressmaking	22 October	Wednesday	18:00	G Brady	HE 03
A143	Gaelic	15 October	Thursday	18:00	M Hodgeson	ML 02
B876	Yoga	6 October	Monday	19:00	I Davidson	Main Hall

a)	Describe how the list of students has been sorted.	(2)
b)	The Student table above makes use of a <i>primary key</i> and <i>foreign key</i> . Explain what is meant by a "foreign key".	(2)
c)	(i) Identify the <i>foreign key</i> in the Student table.	(1)
	(ii) Identify in either the Student table or the Course table a suitable <i>primary ke</i>	y. (1)

State the <i>validat</i>	ion used in this situation	on	
e) State one advant linked tables.	tage of the college kee	ping their student and	course data in two separate but
A school informatio	n system, shown belov	w, is used to print out a	a list of absentees.
Pupil Number	First Name	Surname	Class
034216	Daniel	Beaton	4D1
034123	Adam	Douglas	4C2
033892	Jade	Sharpe	4A2
037211	Jack	Brown	4D1
040083	Jessica	Docherty	4C1
035014	Erin	Miller	4D1
033337	Reece	Hynd	4A2
032996	Liam	Gray	4D1
040008	Beth	Scott	4D1
Class 4D1, listed	inistrator has been ask d in alphabetical order is could be done.		owing just the pupils from
	ı would use a <i>field typ</i>		