



Department of Education, Sabaragamuwa/weekly school

week- February 1

Subject-General Information Technology

Grade-12

Prepared by -  
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- Following tables show teachers and the subjects taught by them in school which runs an electronic database for the school management purpose. (There may be situations where one teacher teaches more than one subject and one subject can have many teachers.)

Teacher		
Teacher_ID	Name	Appointment_Date
TS001	Nimal kumara	1993/01/23
TS002	Ganga sriyani	2000/01/20
TS003	Nalaka silva	1999/08/11

Subject	
Sub_Code	Subject
Sin-11	Sinhala
Geo-10	Geography
Sci-11	Science
Eng-10	English

Teacher-Subject	
Sub_Code	Teacher_ID
Sin-11	TS002
Sci-11	TS001
Geo-10	TS003
Eng-10	TS001

1. Write down suitable data types for the fields in Teacher table along with field names.
2. Write down appropriate field for the primary key of Teacher table.
3. Explain "Foreign Key" using above tables.
4. Assume teacher named Kumari Rathnayaka who assumed appointment in 2005/06/25 came to work as a grade 11 Sinhala subject teacher. What is/are the table/tables that should be updated.
5. Write the updated record/records along with table names.