

# Relation 1

Given the relation below, answer the questions:

## GradeBook

ID	Name	Major	Quiz1	Quiz2	Quiz3	Quiz4
001	Harry	Magic	90	90	80	100
002	Hermione	Magic	100	100	100	100
007	Ron	Magic	80	100	70	100
301	Dobby	Service	95	95	95	95
302	Severus	Education	90	90	99	100
399	Albus	Management	100	100	99	100

Now you know ID is the primary key, and Major is the foreign key. Write a Relational Schema to represent the relation.

**Answer:**

(ID, Major(fk), Name, Quiz1, Quiz2, Quiz3, Quiz4)

## Relation 2

For the following relation, answer the questions.

### ProductDetails

SKU	Name	VendorID	Price	Date	Quantity	Location	Description
KB320	MouseMat	V1230	13.32	01/01/2019	3000	A3	Discontinued
YZ783	MouseMat	V3002	10.00	03/01/2019	1000	A3	Discontinued
IU990	Mouse	V3333	19.00	12/01/2019	700	A1	
IU370	Mouse	V3333	15.00	01/01/2020	500	A1	
YZ783	MouseMat	V3012	9.90	05/01/2020	1000	A3	
YZ783	MouseMat	V3012	8.90	05/01/2021	1000	A3	

Now you know (SKU, VendorID, Date) is the primary key, and VendorID is the foreign key. Write a Relational Schema to represent the relation.

**Answer:**

(SKU, VendorID(FK), Date, Name, Price, Quantity, Location, Description)