Task 1: database design and development (part B)

1c Using the data dictionary below complete the relational database by:

- creating a new table to store the amplifier data
- adding all required validation to fields
- creating a relationship between the two tables

(6 marks)

Your teacher or lecturer will provide you with a partially completed database file. Print evidence to show that you have completed each of the bullet points.

Entity name: Employee					
Attribute name	**Key**	**Type**	**Size**	**Required**	**Validation**
employeeNumber	PK	number		Y	range >=1000 AND <= 9999
firstName		text	15	Y	
surname		text	15	Y	
address		text	50	Y	
contactNumber		text	11	Y	length = 11
drivingLicence		Boolean		Y	
Entity: Amplifier					
Attribute name	**Key**	**Type**	**Size**	**Required**	**Validation**
serialNumber	PK	text	10	Y	length = 10
dateBuilt		date		Y	
timeCompleted		time		Y	
model		text	7	Y	restricted choice: Jazz8, Rock100 and Blues55
testPassed		Boolean		Y	
employeeNumber	FK	number		Y	existing employeeNumber from Employee table

1d The personal details of a new employee are listed below.

Employee number:	1599
Name:	Jeremy May
Address:	67 Red Lane
Driving licence:	True
Contact telephone number:	07923782534

Implement the SQL statement that will add this new record to the correct table.

(2 marks)

Print evidence of both the implemented SQL statement and the Employee table (clearly showing the new record).