

## Pass Task 3.1.4

## Movie\_Rental

Item_No	M_Type	Borrowed_Date	M_Title	Client_NO	Client_Name	Return_Date
44-01	DVD	10-June	Fantastic Four	123	Terry Smith	11-June
44-01	DVD	12-May	Fantastic Four	567	Lucy Lee	
48-01	DVD	10-May	Minions	123	Terry Smith	12 May
44-01	DVD	12-May	Fantastic Four	123	Terry Smith	

- a) Which **string data type** is best to be used in the declaration of the column "Title"? Why?

The `Varchar` data type would work best for the `Title` column. This is because `Varchar` consumes less space than `char` in most circumstances. This is useful as it helps in reducing the size of large databases, however it can result in fragmentation issues if the `varchar` value was to change.

- b) Choose a **primary key**

There is no good choice for a primary key. Instead it is best to use a composite key containing; `Item_NO+Borrowed_Date+Client_NO`

Although it adds complexity it also allows to enforce a common kind of constraint in a simple and powerful way