Candidate key - aything that could be a primary key
Composite key - multiple values that can be used together to uniquely identify an entry/object

Column -> field   *Normalized

Person

ID	First_Name (string)	Last_Name (string)	Age (int)	Phone_Number (double)	Bank	Account_Type1	Account_Number1
1	Richard	Hawkins	31	9083109058	32	Checking	7891
2	Patricia	Hawkins	64	9083106830	32	Checking	7890
3	Rachel	Adams	31	7632356556	32	Savings	2345
4	Richard	Hawkins	31	9083109058	32	Savings	5678
5	Patricia	Hawkins	64	9083106830	32	Savings	6789

only one value per field (atom/atomic)

Row -> an single object

row -> Entry

primary key - a value that uniquely identifies an entry/object

User

User_ID	First_Name (string)	Last_Name (string)	Age (int)	Phone_Number (double)
1	Richard	Hawkins	31	9083109058
2	Patricia	Hawkins	64	9083106830
3	Rachel	Adams	31	7632356556

Accounts

User_ID (Ref)	Bank	Account_Type1	Account_Number1 (PK)
1	32	Checking	7891
2	32	Checking	7890
3	32	Savings	2345
1	32	Savings	5678
2	32	Savings	6789

-remove unnecessary duplication

-cleaning up the depenency

Tables have relationships to one another.

one entry on a table may reference/be referenced by an entry on a different table

many-to-1 - multiple entries in Table A will reference the same entry in Table B

1-to-many - one entry in table A references multiple entries in Table B

1-to-1 - an entry in table A references a single entry in table B

many-to-many - multiple entries in Table A can reference multiple entries in Table B

User

User_ID	First_Name (string)	Last_Name (string)	Age (int)
1	Richard	Hawkins	31
2	Patricia	Hawkins	64
3	Rachel	Adams	31

Users_PhoneNumbers

JoinID(PK)	UserID	PhoneID
1	1	1
2	1	2
3	2	2
4	2	3
5	3	1
6	3	2
7	3	3

Phone Numbers

Phone_Number (double)	PhoneID(PK)
9083109058	1
9083106830	2
7632356556	3

Joining Table