

	A table is in first normal form if:	
	1. There are no repeating groups:	Y
	2. All data values are atomic:	Y
	3. Each field has a unique name	Y
	4. It has a primary key	Y

	A table is in second normal form (2NF) if:	
	1. It is first in First Normal Form (1NF)	Y
	2. All non key attributes are dependent on ALL PARTS of the primary k	Y
	3. Each field has a unique name	Y
	4. It has a primary key	Y

	A is in third normal form (3NF) if:	
	1. It is first in Second Normal Form (2NF)	Y
	2. All non key attributes are not dependent on any other non-key attribut	Y
	3. Each field has a unique name	Y
	4. It has a primary key	Y



	Course Name	Course Start Date	Course End Date	CourseID	Course Responsible First Name	Course Responsible Last Name	Course Responsible Phone Number	Course Responsible Phone Number	Course Responsible Email	Course Responsible Admin Right	Course Participant First Name	Course Participant Last Name	Course Participant Phone Number	Course Participant Phone Number	Course Participant Email	Course Participant Certificate Sen	Certificate Template I	Certificate Template Name
1NF	SWK	1.1.12	1.1.13		1 Signe	Borch		112	113 sb@kea.dk	TRUE	Dennis	TheJew	222	444 dt@gmail.com	TRUE			1 SWK Template 1
	SWK	1.1.12	1.1.13		1 Signe	Borch		112	113 sb@kea.dk	TRUE	Emil	TheGasChamber	333	555 etgp@apple.com	TRUE			1 SWK Template 1
	SWD	1.1.12	1.1.13		2 Asger	ThaBomb		332	445 atb@kea.dk	FALSE	Fredrik	DankMeme	765	NULL fsm@yahoo.com	FALSE			2 SWD Template 1
	SWD	1.1.12	1.1.13		2 Asger	ThaBomb		332	445 atb@kea.dk	FALSE	Jonas	BDayBoy	888	999 jdb@suicidewatch.com	TRUE			2 SWD Template 1
	SWD	1.1.12	1.1.13		2 Asger	ThaBomb		332	445 atb@kea.dk	FALSE	Emil	TheGasChamber	333	555 etgp@apple.com	FALSE			2 SWD Template 1
OSCA	1.1.12	1.1.13		3 Signe	Borch		112	113 sb@kea.dk	TRUE	Fredrik	DankMeme	765	NULL fsm@yahoo.com	TRUE			4 SWK Template 1	
	Course Name	Course Start Date	Course End Date	PK: CourseID	FK: Course Responsible Email	FK: Certificate Template ID		Course Responsible First Name	Course Responsible Last Name	PK: Course Responsible Email	Course Responsible Admin Rights							
	SWK	1.1.12	1.1.13		1 sb@kea.dk		1	Signe	Borch	sb@kea.dk	TRUE							
	SWD	1.1.12	1.1.13		2 atb@kea.dk		2	Asger	Thalomb	atb@kea.dk	FALSE							
	OSCA	1.1.12	1.1.13		3 sb@kea.dk		4											
	PK: Certificate Template ID	Certificate Template Name		Course Participant First Name	Course Participant Last Name	PK: Course Participant Email		CPK: CourseID	CPK: Course Participant Email	Course Participant Certificate Sent								
	1 SWK Template 1			Dennis	TheJew	dt@gmail.com		1	dt@gmail.com	TRUE								
	2 SWD Template 1			Emil	TheGasChamber	etgp@apple.com		1	etgp@apple.com	TRUE								
	4 SWK Template 1			Fredrik	DankMeme	fsm@yahoo.com		2	etgp@apple.com	FALSE								
				Jonas	BDayBoy	jdb@suicidewatch.com		2	fsm@yahoo.com	FALSE								
								3	jdb@suicidewatch.com	TRUE								
	CPK: Course Participant Email	CPK: Phone Type	Course Participant Phone Number		CPK: Course Responsible Email	CPK: Phone Type	Course Responsible Phone Number											
	dt@gmail.com	Primary	222		sb@kea.dk	Primary	112											
	dt@gmail.com	Secondary	444		sb@kea.dk	Secondary	113											
	etgp@apple.com	Primary	333		atb@kea.dk	Primary	332											
	etgp@apple.com	Secondary	555		atb@kea.dk	Secondary	445											
	fsm@yahoo.com	Primary	765															
	jdb@suicidewatch.com	Primary	888															
	jdb@suicidewatch.com	Secondary	999															
2NF	Course Name	Course Start Date	Course End Date	PK: CourseID	FK: Course Responsible Email	FK: Certificate Template ID												
	SWK	1.1.12	1.1.13		1 sb@kea.dk	1												
	SWD	1.1.12	1.1.13		2 atb@kea.dk	2												
	OSCA	1.1.12	1.1.13		3 sb@kea.dk	4												
	Course Responsible First Nam	Course Responsible Last Nam	PK: Course Responsible Email	Course Responsible Admin Rights														
	Signe	Borch	sb@kea.dk	TRUE														
	Asger	ThaBomb	atb@kea.dk	FALSE														
	CPK: CourseID	CPK: Course Participant Email	Course Participant Certificate Sent		CPK: Course Participant Email	CPK: Phone Type	Course Participant Phone Number											
		1 dt@gmail.com	TRUE		dt@gmail.com	Primary	222											
		1 etgp@apple.com	TRUE		dt@gmail.com	Secondary	444											
		2 etgp@apple.com	FALSE		etgp@apple.com	Primary	333											
		2 fsm@yahoo.com	FALSE		etgp@apple.com	Secondary	555											
		3 jdb@suicidewatch.com	TRUE		fsm@yahoo.com	Primary	765											
		3 fsm@yahoo.com	TRUE		jdb@suicidewatch.com	Primary	888											
					jdb@suicidewatch.com	Secondary	999											
	CPK: Course Responsible Email	CPK: Phone Type	Course Responsible Phone Number		Course Participant First Name	Course Participant Last Name	PK: Course Participant Email											
	sb@kea.dk	Primary	112		Dennis	TheJew	dt@gmail.com											
	sb@kea.dk	Secondary	113		Emil	TheGasChamber	etgp@apple.com											
	atb@kea.dk	Primary	332		Fredrik	DankMeme	fsm@yahoo.com											
	atb@kea.dk	Secondary	445		Jonas	BDayBoy	jdb@suicidewatch.com											
	PK: Certificate Template ID	Certificate Template Name																
	1 SWK Template 1																	
	2 SWD Template 1																	
	4 SWK Template 1																	
3NF	Course Name	Course Start Date	Course End Date	PK: CourseID	FK: Course Responsible Email	FK: Certificate Template ID												
	SWK	1.1.12	1.1.13		1 sb@kea.dk	1												
	SWD	1.1.12	1.1.13		2 atb@kea.dk	2												
	OSCA	1.1.12	1.1.13		3 sb@kea.dk	4												
	Course Responsible First Nam	Course Responsible Last Name	PK: Course Responsible Email	Course Responsible Admin Rights														
	Signe	Borch	sb@kea.dk	TRUE														
	Asger	ThaBomb	atb@kea.dk	FALSE														
	CPK: CourseID	CPK: Course Participant Email	Course Participant Certificate Sent		CPK: Course Participant Email	CPK: Phone Type	Course Participant Phone Number											
		1 dt@gmail.com	TRUE		dt@gmail.com	Primary	222											
		1 etgp@apple.com	TRUE		dt@gmail.com	Secondary	444											
		2 etgp@apple.com	FALSE		etgp@apple.com	Primary	333											
		2 fsm@yahoo.com	FALSE		etgp@apple.com	Secondary	555											
		2 jdb@suicidewatch.com	TRUE		fsm@yahoo.com	Primary	765											
		3 fsm@yahoo.com	TRUE		jdb@suicidewatch.com	Primary	888											
					jdb@suicidewatch.com	Secondary	999											
	CPK: Course Responsible Email	CPK: Phone Type	Course Responsible Phone Number		Course Participant First Name	Course Participant Last Name	PK: Course Participant Email											
	sb@kea.dk	Primary	112		Dennis	TheJew	dt@gmail.com											
	sb@kea.dk	Secondary	113		Emil	TheGasChamber	etgp@apple.com											
	atb@kea.dk	Primary	332		Fredrik	DankMeme	fsm@yahoo.com											
	atb@kea.dk	Secondary	445		Jonas	BDayBoy	jdb@suicidewatch.com											
	PK: Certificate Template ID	Certificate Template Name																
	1 SWK Template 1																	
	2 SWD Template 1																	
	4 SWK Template 1																	

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