Question 1 Happy Supplies Parts Warehouse - Database																		
 a) Assumptions: Each order is placed by exactly one customer. Each order is also handled by exactly one employee. However, each employee can serve multiple customers. Each order placed may contain multiple parts. 																		
In order to better see where we stand, we will model a table from all the handwitten features to spot dependencies and relations. The data table will form our first point, being in tNF. Table tNF																		
Table1NF Customer Name	customerNumber	customerType date	time	employee	type	partNumber	name	cageCode	quantityOrdered unitPrice									
At this first plane, the VEF time of the data seems way congested and the table to high white first than then resistance, so well still extend the consistance portions first. Some candidate Pica Lace intentity is continuer, part and order. To unput, beforthy a continuer, part and order. To unput, beforthy a continuer, can used to turning if postify a part is part to the property of the property in order to uniquely benefity a stigle order, a combination is needed. The consistency plant per loose fluid and after the property of the prope																		
Customer2NF	customerName	customerType		Part2NF partNumber (PK)			cageCode		Order2NF customerNumber (PK, FK) date (PK)	partNumber (PK, FK)				employee				
ostomernumger (PK)	customername	customeriype		partnumoer (PK)	name	type	cageLode		customernumber (PK, FK) date (PK)	partnumber (PR, FK)	time (PK)	quantityOrdered	unitPrice	employee				
At the 2 NF stage, all the table's non-key dependencies also both five, just for employee, which seems tricky because it is not so for the control of the co																		
Customer3NF customerNumber (PK)	customerName	curtomerTune		Part3NF Part Number (PK)	03000	type	cageCode		OrderHeader3NF customerNumber (PK, FK) date (PK)	time (PK)	employee		OrderLine3NF customerNumber (PK, FK)	data (RV EV)	fime (BY EV)	partNumber (DV EV)	augustitu Ordered	unitOrica
				. an realises (FIV)		76"			Secretary Secretary	22.0.00	projec			meter to	america and	Annual (CALIA)	-quality ordered	
Question 2 Panacea Mental Health Corporation Therapist Table																		
a) Assumptions: Therapists may work at different branches. But they only see branches at one specific branch a day. One patient has one specific appointment at one branch with one therapist at a set time and date. Appointments do not overlap. Patients may have multiple appointments in a given day and with multiple different therapists.																		
Table1NF	therapistName	patNo patName	appointmentTime	appointmentDate	branchNo													
As each column has atomic values and there are no repeating group, the given table is already in 18°F (we just meed to break appointmentable and appointmentable to form his one-separating appointmentable to form and appointmentable to form as one-separating to form a 20°F table. We can easily see that a stiff and a patient can be uniquely flustable with their flust how for represent form and the stiff and appointmentable of the first of tables and appointmentable and appointmentable and appointmentable.																		
Staft2v3NF		Patient2v3NF			Appointment2v3NF													
striftNotr2X: As staffNo can identify a therapist uniquely we will use it as a PK, and the same principle will apply to PatNo. However for appointments we will need a different approach to deciding on a primary key, because appointment requires a composite key (staffNo, patNo, appointmentDate, appointmentTime) to uniquely identify each appointment.	therapistName	patho (PK)	patName		staffNo (PK, FK)	patNo (PK. FK).	appointmentDate (PK)	appointmentTime (PK)	branchNo									
For the last transition to SWF, we will check non-key to non-key opportunous known as transitive dependencies. In the first than tables the threspitableme and published excludy depend on their insepective PKs. Branch no also depends on the appointment, the all composite PKs, to post settline or any systep PK above. Hence, it can be proved that we do not need to change to schema to have a needed.																		
Question 3 Maid Better Temp Agency Supplies - Database																		
Assumptions: Each employee has a unique eNo. An employee can have multiple contracts and events. Each contract is made based on one event. Employee hours are based on contract, not directly event level. The relationship between employee and contracts in many to many.																		
The given table is already at 1NF, values at every collumn are atomic. There are no repeating groups inside a row.																		
Table1NF eNo	contractNo	hours eName	eventNo	eventLoc														
To change the table to ZNF, we will examine possible candidate PKs. For employees, eNo and for contracts contractNo seem straightforward. Also for events, eventNo uniquely identifies an event.																		
Employee2v3NF eNo.(PK)	eName	Event2v3NF sventNo.(PK)	eventLoc		Contract2v3NF contractNo (PK)	eventNo (FK)			Hours2NF sNo (PK, FK) contractNo (PK, FK)	hours								
in 2NF form, all non-key attributes depend on the whole key, and nothing but the key, contractNo determines evenNo, but since even has already been seperated, so no transitive dependency remains. hous also depend on the full composite key. Therefore, the schema will not need to be changed as it is in 3NF, no further action is needed.																		