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Assissance of 1				
Assignment 1				
Title: Analyzing and extracting data usin				
ETL TOOKS.				
The second of th				
Peroblem Statements:	B			
choose a set of business process. Design star/snow plake schemas for analysing				
choose a set of business process. Design				
star / snow Plake schemas for analysina				
these processes create a fact constellation				
schema by combining them. Extract data				
peron distacent data sources anno				
peron différent data sources, apply suitable teransportnations and load data				
into destination talales using ETI tools				
for eg. Business promise tiens				
for eg. Business organization sales, ordering marketing process				
1. Whether growing forces				
Chiectine :	2000			
Objective:				
3 3mplementing of peroblem statement using				
EIL 1801.				
2) Chr. 12.				
2) Star / snow flake schema for analyzing				
process				
Costrucción de la				
Software and hardmare requirements:				
2 GB RAM, 500 GB HDD				
ETL open source tool pentato				
Mysql				
Tomat with oracle				

4000	
	the state of the s
	Theory:
	i) Star Schemas:
	The schemas are a way to organize data
	The schemas are a may to organize data marts or entire data marchouse using
	security at accuracy.
	Consider the following sales model
	consider the following sales model supresented in star schema
	The same of the sa
	dim sales type
	sales type id int
	type value varehai
	de la
	din store din employee
	storceid int empid int
	store add varcher name varcher.
	city varchar birthyear int
	region varchar
	n-id int
	timeid int
	storeid int
	empid int
	price dec.
	din time din peroduct
	timeid int pid int
	actiondate int prame vardar
	actionwork int p-type vanchen
	actionmonth int
	A Star Schema

Transfer of to Characteristics of Schema - Every dimension is represented with only one dimensional table. fact table would contain key & measure

3t is easy to understand and provides
optimal disk usage

Widely supported by BI tools. 1 2) Snouglake Schema. - It is an entension of star schema and it adds additional dimensions The dimension tables are normalized which splits data into additional table Characteristics of snowplake schema - The main benefit is that it uses small disk spaces. Easier to implement a dimension is added to schema Due to multiple tables, query performance is reduced. Need to perform more maintainance efforts lecause of more lookup tables.

3) FIL (Extract, Teransform, load) Transform and load. Du Extract, - In this perocess an ETL tool extracts the data from different RDBMS source systems, their transforms the data by applying calculations concatenations, etc - In ETI data flows from source to target Transfor AB engine, [E] Source list of open sources ETL tools. - Clover ETL - Jedon - Pentaho - Talend

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			The second
	Test cases		
	The costs.		The same
	Sa Description	C estad	Adual
	No resouption	Expected	
	NO.	0/9	0/19
	1 Xamp / Apacha Saures	installed	Starts
	1 Xampp/Apache Server installation		
	Transition.	successfully	apache &
			mysque
			server
	2 William instablisse contains		Test Control of the C
	2 While installing pentaho make sure to set	The second second	
		success	success
	correct path for		
	envisionment		
	3 Pergoun transpormation	success	success
	on postal codes		
	1°		
	4 Perform transformation on missing ziplodes	Null realus	success
	on missing ziprodes	removed	
	Conclusion: Thus we have	learned to	entract
	data from different da	ta sources	, apply
	suitable transformations	and load	into
	data from different da suitable transpormations destination table using ETI	tool.	