



Islington college
(इस्लिङ्टन कलेज)

Module Code & Module Title

CC6001NA Advance Database System Development

Assessment Weightage & Type

40% Individual Coursework

Year and Semester

2019-20 Autumn

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Assignment Due Date:

Assignment Submission Date:

Word Count:

I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

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1. Textual Analysis

The following are the textual analysis of the questions:

- A Company can have many number of staff.
- A Company can have many number of tour packages.
- A Company can have assigned many tour guides for a tour.
- A Customer can take many packages but one at time.

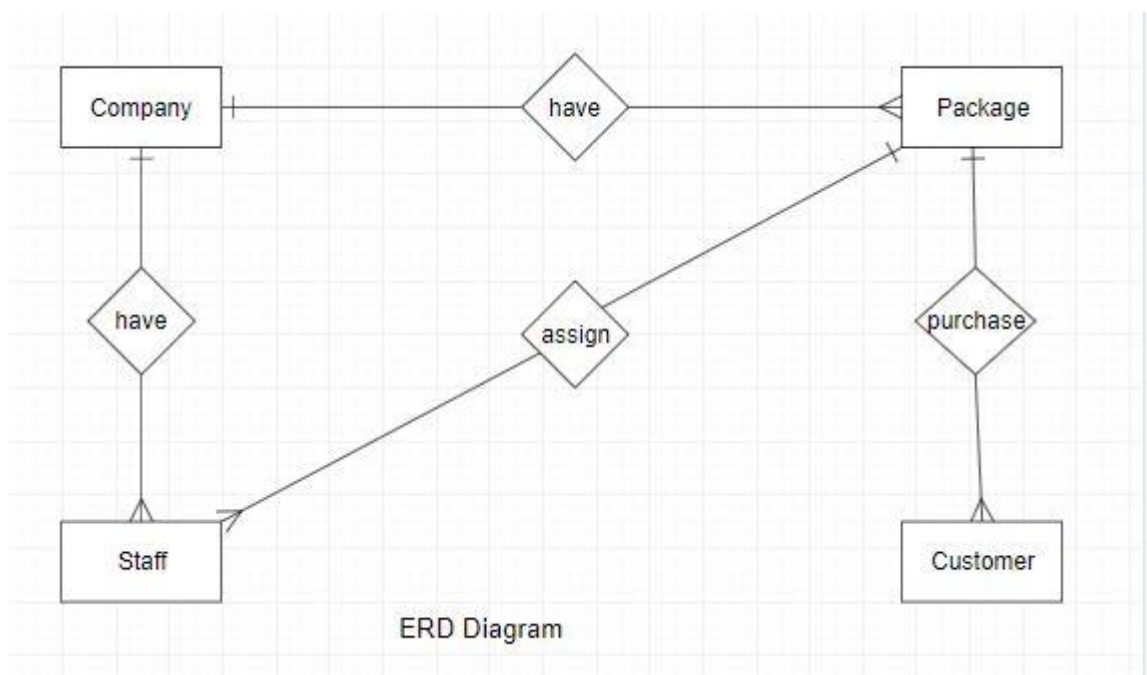


Figure 1 ERD of Textual Diagram

2. Normalization

2.1. Assumption

- In the normalization destination-id has been assumed as repeating group.

The following normalization of Package Record:

Package ID	Package Name	Destination	Total No of Days	Difficulty
LK25A	ABC	Annapurna Base Camp	7	Moderate
UI32A	Ghandruk	Ghandruk, Pokhara	4	Moderate
NB34G	Everest Short Trek	Lukla, Khumjung	4	Hard

Table 1 Table of Package Record

UNF

Package (package-id, package name, total no of days, difficulty, {destination-id, destination})

1NF

- **Removing Repeating Group**

Tables

Package-1(**package-id**, package name, total no of days, difficulty)

Package-Destination-1(**package-id**, **destination-id**, destination)

2NF**- Removing Partial Dependency**

package-id ->

package-id, destination-id->

destination-id-> destination

Tables

Package-2(**package-id**, package name, total no of days, difficulty)

Package-Destination-2(**package-id**, **destination-id**)

Destination-2(**destination-id**, destination)

3NF**- Removing Transitive Dependency**

Since there is not transitive dependency. It is in 3NF.

Package-3(**package-id**, package name, total no of days, difficulty)

Package-Destination-3(**package-id**, **destination-id**)

Destination-3(**destination-id**, destination)