# TASK 8

# COMPULSARY TASK

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PROJECT\_TABLE Dependency diagrams

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project**\_**  Number | Project\_  Name | Building\_  Type | Project\_  Address | ERF\_  Number | Project\_  Fee | Paid\_  Amount | Project\_  Completed | Project\_  Duedate | Completion\_  Date |
| Client\_  Name | Client\_  Surname | Architect\_  Name | Architect\_  Surname | Contractor\_  Name | Contractor\_  Surname |

Transitive Dependency

Relational schema: 2NF (Project\_Number, Project\_Name, Building\_Type, Project\_Address, ERF\_Number, Project\_Fee, Paid\_Amount, Project\_Completed ,Project\_Duedate, Completion\_Date

Client\_Name ,Client\_Surname,Architect\_Name ,Architect\_Surname ,Contractor\_Name,

Contractor\_Surname )

PEOPLE\_TABLE Dependency diagrams

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Surname | Telephone | Email\_Address | Physical\_Address |

Relational schema: 1NF (Name ,Surname ,Telephone ,Email\_Address ,Physical\_Address)

INVOICE\_TABLE Dependency diagrams

Transitive Dependency

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project\_Number | Client\_Name | Client\_Surname | Project\_Fee | Paid\_Amount | Balance |

Relational schema: 3NF (Project\_Number ,Client\_Name ,Client\_Surname , Project\_Fee, Paid\_Amount , Balance )