

REPORT1:

UNF:

CATALOGUE(catal_ddcno,catal_titile,(author_id,author_firstname,author_lastname),(subject_id,subject_desc),catal_descrip,publisher_id,publisher_name,published_date,catal_edition,catal_page_count,catal_language,catal_note,(isbn_no,isbn_booktype))

1NF:

CATALOGUE(catal_ddcno,catal_titile,catal_descrip,publisher_id,publisher_name,published_date,catal_edition,catal_page_count,catal_language,catal_note)

CK:

1. catal_ddcno

CATALAUTHOR(author_id,catal_ddcno,author_firstname,author_lastname)

CK:

1. author_id, catal_ddcno

CATALSUBJECT(catal_ddcno,subject_id,subject_desc)

CK:

1. subject_id,catal_ddcno

ISBN(isbn_no,isbn_booktype,catal_ddcno)

CK:

1. isbn_no

Partial Dependencies:

1. author_id -> author_firstname,author_lastname
2. subject_id ->subject_desc

2NF:

CATALOGUE(catal_ddcno,catal_titile,catal_descrip,publisher_id,publisher_name,published_date,catal_edition,catal_page_count,catal_language,catal_note)

CATALAUTHOR(author_id,catal_ddcno)

AUTHOR(author_id,author_firstname,author_lastname)

CATALSUBJECT(catal_ddcno,subject_id,subject_desc)

SUBJECT(subject_id,subject_desc)

ISBN(isbn_no,isbn_type,catal_ddcno)

Transitive Dependencies :

1. publisher_id -> publisher_name

3NF:

CATALOGUE(catal_ddcno,catal_titile,catal_descrip,publisher_id,published_date,catal_edition,catal_page_count,catal_language,catal_note)

PUBLISHER(publisher_id,publisher_name)

CATALAUTHOR(author_id,catal_ddcno)

AUTHOR(author_id,author_firstname,author_lastname)

CATALSUBJECT(catal_ddcno,subject_id)

SUBJECT(subject_id,subject_desc)

ISBN(isbn_no,isbn_type,catal_ddcno)

Full Dependencies :

1. catal_ddcno->catal_title,catal_descrip,publisher_id,published_date,catal_edition,catal_page_count,catal_language,catal_note
2. publisher_id ->publisher_name
3. author_id -> author_firstname,author_lastname
4. subject_id ->subject_desc
5. isbn_no -> isbn_type,catal_ddcno