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,book_edition,book_no _page,book_language,catal_note,(isbn_no,isbn_booktype))

1NF:
CATALOGUE(<u>catal_ddcno</u>,catal_titile,catal_descrip,publisher_id,publisher_name,published_dat e,book_edition,book_no_page,book_language,catal_note)
CK:
catal_no

CATALAUTHOR(<u>author_id,catal_ddcno,</u>author_firstname,author_lastname)
CK:
author_id, catal_ddcno

CATALSUBJECT(<u>catal_ddcno,subject_id,</u>subject_desc)
CK:
subject_id,catal_ddcno

ISBN(<u>isbn_no,</u>isbn_booktype,catal_ddcno)
CK:
Isbn_no

Partial Dependencies:
author_id -> author_firstname,author_lastname
subject_id ->subject_desc

2NF:
CATALOGUE(<u>catal_ddcno</u>,catal_titile,catal_descrip,publisher_id,publisher_name,published_dat e,book_edition,book_no_page,book_language,catal_note)

CATALAUTHOR(<u>author_id,catal_ddcno</u>)

AUTHOR(<u>author_id,</u>author_firstname,author_lastname)

CATALSUBJECT(<u>catal_ddcno,subject_id,</u>subject_desc)

SUBJECT(<u>subject_id,</u>subject_desc)

ISBN(isbn_no,isbn_type,catal_ddcno)

Transitive Dependencies :
publisher_id -> publisher_name

3NF:

CATALOGUE(catal_ddcno,catal_titile,catal_descrip,publisher_id,published_date,book_edition,book_no_page,book_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 :

catal_ddcno->catal_titile,catal_descrip,publisher_id,published_date,book_edition,book_no_page,book_language,catal_note

publisher_id ->publisher_name

author_id -> author_firstname,author_lastname

subject_id ->subject_desc

catal_ddcno ->content_no,content_title

isbn_no -> isbn_type,catal_ddcno

REPORT 2:

UNF:
BORROWER(borrower_no,borrower_first_name,borrower_last_name,borrower_class,borrower_status,(branch_code,book_copy_id,branch_nmae,borrowed_date,due_date,returned_date,fine_amount,date_finepaid))

1NF:

BORROWER(<u>borrower_no</u>,borrower_first_name,borrower_last_name,borrower_class,borrower_status)

CK:
borrower_no

LOAN(<u>branch_code,book_copy_id,borrowed_date</u>,borrower_no,branch_name,due_date,returned_date,fine_amount,date_finepaid)

CK's :
branch_code,book_copy_id,borrowed_date

Partial Dependencies:
branch_code -> branch_name

2NF:
BORROWER(<u>borrower_no</u>,borrower_first_name,borrower_last_name,borrower_class,borrower_status)

LOAN(<u>branch_code,book_copy_id,,borrowed_date</u>,branch_name,due_date,returned_date,fine_amount,date_finepaid)

BRANCH(<u>branch_code</u>,branch_name)

Transitive Dependencies :
None

3NF:

BORROWER(<u>borrower_no</u>,borrower_first_name,borrower_last_name,borrower_class,borrower_status)

LOAN(<u>branch_code</u>,<u>book_copy_id</u>,<u>borrowed_date</u>,branch_name,due_date,returned_date,fine_amount,date_finepaid)

BRANCH(<u>branch_code</u>,branch_name)

Full Dependencies :

borrower_no -> borrower_first_name,borrower_last_name,borrower_class,borrower_status
branch_code,book_copy_id,borrowed_date->branch_name,due_date,returned_date,fine_amount,date_finepaid

branch_code ->branch_name