

# Crime Management System

Regno: 16BCE0526

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Slot: L57+L58

Course: Software Engineering

Course code: CSE3001

Backend Database Code: -

Law database: -

- create table Laws (name varchar2(500) primary key,r\_date number(5), code number(5),definition varchar2(1000),punishment varchar2(1000),place varchar2(500));
- insert into Laws values('Coinage Act, 2011',2011,11,'In this Act, coin means any coin which is made of any metal or any other material stamped by the Government or any other authority empowered by the Government in this behalf and which is a legal tender including commemorative coin and Government of India one rupee note.','Whoever is found to be in possession of any metal or material which contains alloys in the same proportions in which they have been used in the manufacture of any coin shall be presumed, until the contrary is proved, to have contravened the provisions of sub-section','Whole of India');
- insert into Laws values('Orissa (Alteration of Name) Act, 2011',2011,15,'An Act to alter the name of the State of Orissa.','None','State of Orissa');
- insert into Laws values('Factoring Regulation Act, 2011',2012,12,'Section 2(j) of the Act defines the term factoring business as the business of acquisition of receivables of assignor by accepting assignment of such receivables or financing, whether by way of making loans or advances or otherwise against the security interest over any receivables but does not include- Credit facilities provided by a bank in its ordinary course of business against security of receivables; Any activity as commission agent or otherwise for sale of agricultural produce or goods of any kind whatsoever or any activity relating to the production, storage, supply, distribution, acquisition or control of such produce or goods or provision of any services.','If any factor fails to comply with any direction of RBI the RBI may impose a penalty which may extend to ? 5 lakhs and in the case of a continuing offence, with an additional fine which may

extend to ? 10,000/- for every day during which the default continues.', 'Whole of India');

- insert into Laws values('Academy of Scientific and Innovative Research Act, 2011', 2012, 13, 'An act to establish an Academy for furtherance of the advancement of learning and prosecution of research in the field of science and technology in association with Council of Scientific and Industrial Research and to declare the institution known as the Academy of Scientific and Innovative Research, to be an institution of national importance to provide for its incorporation and matters connected therewith or incidental thereto.', 'None', 'Whole of India Except Jammu and Kashmir');
- insert into Laws values('Protection of Children from Sexual Offences Act, 2012', 2012, 32, 'It deals with sexual offences against persons below 18 years of age, who are deemed as children. The Act for the first time, defines “penetrative sexual assault”, “sexual assault” and “sexual harassment”. The offence is considered graver if it is committed by a police officer, public servant, any member of the staff at a remand home, protection or observation home, jail, hospital or educational institution, or by a member of the armed or security forces.', 'Whoever commits aggravated penetrative sexual assault, shall be punished with rigorous imprisonment for a term which shall not be less than ten years but which may extend to imprisonment for life and shall also be liable to fine.', 'Adults present in Whole of India');
- insert into Laws values('Rajiv Gandhi National Institute of Youth Development Act, 2012', 2012, 35, 'It offers academic programmes at postgraduate level in youth development, engages in research in youth development, and coordinates training programmes for state agencies and the officials of youth organisations. It is involved in extension and outreach initiatives across the country.', 'None', 'Southern Part of India');
- insert into Laws values('National Institute of Mental Health and Neurosciences, Bangalore Act, 2012', 2012, 38, 'It is an act of the Parliament of India to give the status of Institute of National Importance to National Institute of Mental Health and Neurosciences, Bangalore. The Bill establishes NIMHANS as a more autonomous. NIMHANS is the fourth medical institute in the country to get this status after All India Institute of Medical Sciences, Postgraduate Institute of Medical Education and Research and Jawaharlal Institute of Postgraduate Medical Education and Research.', 'None', 'Bangalore');
- insert into Laws values('Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013', 2013, 14, 'An Act to provide protection against sexual harassment of women at workplace and for the prevention and redressal of complaints of sexual harassment and for matters connected therewith or incidental thereto.', 'Penalties range from Rigorous imprisonment up to three years, and/or a fine.', 'Working Women All over Country.');

- insert into Laws values('Companies Act 2013',2011,15,'It is an Act of the Parliament of India on Indian company law which regulates incorporation of a company, responsibilities of a company, directors, dissolution of a company.', 'If on request of member, company has not provided them a copy of Memorandum, Articles every agreement and every resolution then 1 thousand rupees for each day during which such default continues or 1 lakh rupees.', 'Companies All over the country');
- insert into Laws values('National Food Security Act, 2013',2013,20,'The objective of this Act is to provide for food and nutritional security in human life cycle approach, by ensuring access to adequate quantity of quality food at affordable prices to people to live a life with dignity', 'Any public servant or authority found guilty, by the State Commission at the time of deciding any complaint or appeal, of failing to provide the relief recommended by the District Grievance Redressal Officer, without reasonable cause, or wilfully ignoring such recommendation, shall be liable to penalty not exceeding five thousand rupees. Provided that the public servant or the public authority, as the case may be, shall be given a reasonable opportunity of being heard before any penalty is imposed.', 'State and Union Territories of India');

Scripts: -

- Input1.sql
 

```

set serveroutput on;
set verify on;

declare
law_name Laws.name%type;
release_date Laws.r_date%type;
law_code Laws.code%type;
defi Laws.definition%type;
punish Laws.punishment%type;
common_place Laws.App_law%type;
cursor emp_c is select * from Laws;
find_name Laws.App_law%type;
count_l number;

begin
count_l:=0;
find_name:=&law_name;
open emp_c;
for i in 1..9 loop
fetch emp_c into law_name,release_date,law_code,defi,punish,common_place;
if find_name = law_name then
dbms_output.put_line('Law Found');
dbms_output.put_line('Name :');
dbms_output.put_line(law_name);
dbms_output.put_line('Release date : ');

```

```

dbms_output.put_line(release_date);
dbms_output.put_line('Law code : ');
dbms_output.put_line(law_code);
dbms_output.put_line('Definition : ');
dbms_output.put_line(defi);
dbms_output.put_line('Punishment : ');
dbms_output.put_line(punish);
dbms_output.put_line('Common places that are affected is : ');
dbms_output.put_line(common_place);
count_l:=1;
end if;
end loop;
close emp_c;
if count_l=0 then
dbms_output.put_line('Law Not found');
end if;
end;
/

```

➤ Input2.sql

```

set serveroutput on;
set verify on;

```

```

declare
law_name Laws.name%type;
release_date Laws.r_date%type;
law_code Laws.code%type;
defi Laws.definition%type;
punish Laws.punishment%type;
common_place Laws.App_law%type;
cursor emp_c is select * from Laws;
find_name Laws.App_law%type;
search_place Laws.App_law%type;
count_l number;

begin
count_l:=0;

search_place:=&places_law_affected;
open emp_c;
for i in 1..9 loop
fetch emp_c into law_name,release_date,law_code,defi,punish,common_place;
if search_place = common_place then
dbms_output.put_line('Law Found');
dbms_output.put_line('Definition is : ');
dbms_output.put_line(' ');
dbms_output.put_line(defi);

```

```

dbms_output.put_line('Punishment is : ');
dbms_output.put_line(punish);
count_l:=1;
end if;
end loop;
close emp_c;
if count_l=0 then
dbms_output.put_line('Law Not found');
end if;
end;
/

```

➤ Input3.sql

```

set serveroutput on;
set verify on;

```

```

declare
law_name Laws.name%type;
release_date Laws.r_date%type;
law_code Laws.code%type;
defi Laws.definition%type;
punish Laws.punishment%type;
common_place Laws.App_law%type;
cursor emp_c is select * from Laws;
find_code Laws.code%type;
count_l number;

begin
count_l:=0;
find_code:=&law_code;
open emp_c;
for i in 1..9 loop
fetch emp_c into law_name,release_date,law_code,defi,punish,common_place;
if find_code = law_code then
dbms_output.put_line('Law Found');
dbms_output.put_line('Name :');
dbms_output.put_line(law_name);
dbms_output.put_line('Release date : ');
dbms_output.put_line(release_date);
dbms_output.put_line('Law code : ');
dbms_output.put_line(law_code);
dbms_output.put_line('Definition : ');
dbms_output.put_line(defi);
dbms_output.put_line('Punishment : ');
dbms_output.put_line(punish);
dbms_output.put_line('Common places that are affected is : ');
dbms_output.put_line(common_place);

```

```

count_l:=1;
end if;
end loop;
close emp_c;
if count_l=0 then
dbms_output.put_line('Law Not found');
end if;
end;
/

```

# User Test Case Report: -

Test Case ID	Test Objective	Test Data	Expected Results	Actual Results	Pass/Fail
001	To check if the database can give proper results to a singleton query.	Law Database.	The respective Output from the law database should be produced.	The respective output was not produced.	Fail
002	To retrieve the right information regarding a specific law.	Law Database.	The right law details to be displayed.	The right detail regarding the laws were displayed.	Pass
003	To retrieve multiple law details based on a common place factor.	Law Database.	All law details to displayed one by one.	The respective laws were displayed.	Pass
004	The database should allow user to search law details based on law code.	Law Database.	The user should enter the law code for getting the respective law details.	The results were as expected.	Pass
005	To search law based on a keyword from the law name	Law Database.	To display all laws with the keyword present in it.	The results were not as expected	Fail

Test Cases: -

Test Case ID – 001

```
SQL>
SQL> @c:/input1.sql
Enter value for law_name: 'National Food Security Act, 2013'
old 14: find_name:=&law_name;
new 14: find_name:='National Food Security Act, 2013';
Law Not found

PL/SQL procedure successfully completed.
```

Test Case ID – 002

```
SQL> @c:/input1.sql
Enter value for law_name: 'Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013'
old 14: find_name:=&law_name;
new 14: find_name:='Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013';
Law Found
Name :
Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal)
Act, 2013
Release date :
2013
Law code :
14
Definition :
An Act to provide protection against sexual harassment of women at workplace and
for the prevention and redressal of complaints of sexual harassment and for
matters connected therewith or incidental thereto.
Punishment :
Penalties range from Rigorous imprisonment up to three years, and/or a fine.
Common places that are affected is :
Working Women All over Country.

PL/SQL procedure successfully completed.
```

Test Case ID – 003

```

SQL> @c:/input2.sql
Enter value for places_law_affected: 'Whole of India'
old 16: search_place=&places_law_affected;
new 16: search_place='Whole of India';
Law Found
Name :
Coinage Act, 2011
Release date :
2011
Law code :
11
Definition :
In this Act, coin means any coin which is made of any metal or any other
material stamped by the Government or any other authority empowered by the
Government in this behalf and which is a legal tender including commemorative
coin and Government of India one rupee note.
Punishment :
Whoever is found to be in possession of any metal or material which contains
alloys in the same proportions in which they have been used in the manufacture
of any coin shall be presumed, until the contrary is proved, to have contravened
the provisions of sub-section
Law Found
Name :
Factoring Regulation Act, 2011
Release date :
2012
Law code :
12
Definition :
Section 2(j) of the Act defines the term factoring business as the business of
acquisition of receivables of assignor by accepting assignment of such
receivables or financing, whether by way of making loans or advances or
otherwise against the security interest over any receivables but does not
include- Credit facilities provided by a bank in its ordinary course of business
against security of receivables; Any activity as commission agent or otherwise
for sale of agricultural produce or goods of any kind whatsoever or any activity
relating to the production, storage, supply, distribution, acquisition or
control of such produce or goods or provision of any services.
Punishment :
If any factor fails to comply with any direction of RBI the RBI may impose a
penalty which may extend to ? 5 lakhs and in the case of a continuing offence,
with an additional fine which may extend to ? 10,000/- for every day during
which the default continues.
Law Not found
PL/SQL procedure successfully completed.

```

## Test Case ID – 004

```

SQL> @c:/input3.sql
Enter value for law_code: 32
old 14: find_code=&law_code;
new 14: find_code=32;
Law Found
Name :
Protection of Children from Sexual Offences Act, 2012
Release date :
2012
Law code :
32
Definition :
It deals with sexual offences against persons below 18 years of age, who are
deemed as children. The Act for the first time, defines "penetrative sexual
assault", "sexual assault" and "sexual harassment". The offence is considered
graver if it is committed by a police officer, public servant, any member of the
staff at a remand home, protection or observation home, jail, hospital or
educational institution, or by a member of the armed or security forces.
Punishment :
Whoever commits aggravated penetrative sexual assault, shall be punished with
rigorous imprisonment for a term which shall not be less than ten years but
which may extend to imprisonment for life and shall also be liable to fine.
Common places that are affected is :
Adults present in Whole of India

```



## Test Case ID – 005

```
SQL>
SQL> @c:/input2.sql
Enter value for places_law_affected: 'India'
old 16: search_place=&places_law_affected;
new 16: search_place='India';
Law Not found

PL/SQL procedure successfully completed.
```