**Assignment No. 4**

mysql> use onkar

Database changed

mysql> create table Fine(rno int, Sname varchar(30),DOI date, bookname varchar(20), Status varchar(10));

Query OK, 0 rows affected (0.02 sec)

mysql> insert into Fine values(1, 'Aditya', '2024-07-05', 'SPOS', 'returned');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Fine values(22, 'Dhiraj', '2024-07-09', 'HTML&CSS', 'issued');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Fine values(59, 'Suraj', '2024-05-12', 'ReactJS', 'returned');

Query OK, 1 row affected (0.00 sec)

mysql> insert into Fine values(61, 'Onkar', '2024-07-12', 'TOC', 'issued');

Query OK, 1 row affected (0.01 sec)

mysql> insert into Fine values(74, 'Pratik', '2024-06-29', 'CNS', 'issued');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from Fine;

+------+--------+------------+----------+----------+

| rno | Sname | DOI | bookname | Status |

+------+--------+------------+----------+----------+

| 1 | Aditya | 2024-07-05 | SPOS | returned |

| 22 | Dhiraj | 2024-07-09 | HTML&CSS | issued |

| 59 | Suraj | 2024-05-12 | ReactJS | returned |

| 61 | Onkar | 2024-07-12 | TOC | issued |

| 74 | Pratik | 2024-06-29 | CNS | issued |

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5 rows in set (0.00 sec)

mysql> create table Fine(roll\_no int,fine\_date date,amount varchar(20));

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter //

mysql> create procedure fine\_c(IN rno int(3),bname varchar(20))

-> begin

-> declare i\_date date;

-> declare diff int;

-> declare fine\_amt int;

-> declare exit handler for sqlexception select 'Table not Found';

-> select DOI into i\_date from borrower where roll\_no=rno and book\_name=

bname;

-> select datediff(curdate(),i\_date) into diff;

-> if(diff>15 and diff<=30) then

-> set fine\_amt = diff\*5;

-> insert into fine values(rno,curdate(),fine\_amt);

-> elseif(diff>30) then

-> set fine\_amt = 15\*5 + (diff-30)\*50;

-> insert into fine values(rno,curdate(),fine\_amt);

-> end if;

-> update borrower set status='returned' where rollno=rno and book\_name=bname;

-> end;

-> //

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> call fine\_c(1,'SPOS');//

1 row in set (0.01 sec)

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| roll\_no | fine\_date | amount |

+---------+------------+--------+

| 59 | 2024-07-29 | 95 |

+---------+------------+--------+

1 rows in set (0.00 sec)