Output:

A4

```
mysql> create database A4;
Query OK, 1 row affected (0.01 sec)

mysql> use A4;
Database changed
mysql> use A4;
Database changed
mysql> DROP TABLE IF EXISTS fine;
Query OK, 0 rows affected, 1 warning (0.05 sec)

mysql> DROP TABLE IF EXISTS Borrower;
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql>
mysql> Create table Borrower(
    ->      RollNo Int PRIMARY KEY,
    ->      Name Varchar(100),
    ->      DOI DATE,
    ->      NOB varchar(100),
    ->      status char(1) check (status in ('I','R'))
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> Create table fine(
    ->      RollNo Int ,
    ->      Date DATE,
    ->      Amount decimal(10,2),
    ->      FOREIGN KEY (RollNo) REFERENCES Borrower(RollNo)
    -> );
Query OK, 0 rows affected (0.06 sec)

mysql>
mysql> Insert into Borrower( RollNo, Name, DOI, NOB, status) values
    -> (4, 'Alice', '2025-08-23', 'DBMS', 'I'),
    -> (5, 'Bob', '2025-08-13', 'OS', 'I'),
    -> (6, 'Charlie', '2025-02-24', 'JAVA', 'I');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> select * from Borrower;
+--------+---------+------------+------+--------+
| RollNo | Name    | DOI        | NOB  | status |
+--------+---------+------------+------+--------+
|      4 | Alice   | 2025-08-23 | DBMS | I      |
|      5 | Bob     | 2025-08-13 | OS   | I      |
|      6 | Charlie | 2025-02-24 | JAVA | I      |
+--------+---------+------------+------+--------+
3 rows in set (0.00 sec)

mysql> select * from fine;
Empty set (0.00 sec)

mysql>
mysql> delimiter //
mysql> DROP PROCEDURE IF EXISTS SFA;
    -> Create procedure SFA( in Rno int, Book_name varchar(100))
    -> begin
    ->      declare x int;
    ->      declare continue handler for not found
    ->      begin
    ->          select 'Not Found';
    ->      end;
    ->      select datediff(curdate(),DOI) into x from Borrower
    ->          where RollNo=Rno;
    ->      if (x>15 && x<30) then
    ->          insert into fine values(Rno,curdate(),(x*5));
    ->      end if ;
    ->      if (x>30) then
    ->          insert into fine values(Rno,curdate(),(x*50));
    ->      end if;
    ->
    ->      update Borrower
    ->      set status='R'
    ->      where RollNo=Rno;
    ->
    ->      end;
    ->      //
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

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

mysql>  delimiter ;
mysql>
mysql> call SFA(4,'DBMS');
Query OK, 1 row affected (0.01 sec)

mysql> call SFA(5,'OS');
Query OK, 1 row affected (0.01 sec)

mysql>
mysql> select * from fine;
+--------+------------+---------+
| RollNo | Date       | Amount  |
+--------+------------+---------+
|      4 | 2025-09-20 |  140.00 |
|      5 | 2025-09-20 | 1900.00 |
+--------+------------+---------+
2 rows in set (0.00 sec)

mysql> select * from Borrower;
+--------+---------+------------+------+--------+
| RollNo | Name    | DOI        | NOB  | status |
+--------+---------+------------+------+--------+
|      4 | Alice   | 2025-08-23 | DBMS | R      |
|      5 | Bob     | 2025-08-13 | OS   | R      |
|      6 | Charlie | 2025-02-24 | JAVA | I      |
+--------+---------+------------+------+--------+
3 rows in set (0.00 sec)
```