15A

mysql> delimiter //

mysql> create procedure check\_br(in uid int)

-> begin

-> declare temp\_bal int;

-> declare sp condition for sqlstate'45000';

-> select bal\_due into temp\_bal from client\_master where id=uid;

-> if temp\_bal<0 then

-> signal sqlstate '45000'

-> set message\_text='BR violated';

-> else

-> select 'BR not violated' Message;

-> end if;

-> end

-> //

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter ;

15b

create procedure Calculate\_fine(in roll int)

begin

declare fine\_amt int;

declare no\_of\_days int;

declare issue\_date date;

select DateofIssue into issue\_date from borrower where Roll\_no=roll;

select datediff(curdate(),issue\_date) into no\_of\_days;

if no\_of\_days>15 and no\_of\_days<=30 then

set fine\_amt=no\_of\_days\*5;

elseif no\_of\_days>30 then

set fine\_amt=(no\_of\_days-30)\*50+30\*5;

else

set fine\_amt=0;

end if;

insert into fine values(roll,curdate(),fine\_amt);

update borrower set Status='R' where Roll\_no=roll;

end;

//

Cursor

15C

mysql> delimiter //

mysql> create procedure check\_salary()

-> begin

-> declare temp\_emp int;

-> declare temp\_dno int;

-> declare temp\_salary int;

-> declare avg\_salary int;

-> declare temp\_dno\_dept\_salary int;

-> declare ec boolean;

-> declare cur1 cursor for select avg(salary),dno from emp group by dno;

-> declare continue handler for not found set ec=true;

-> open cur1;

-> l1:loop

-> fetch cur1 into temp\_salary,temp\_dno;

-> insert into dept\_salary values(temp\_salary,temp\_dno);

-> if ec then

-> close cur1;

-> leave l1;

-> end if;

-> end loop l1;

-> end

-> //