

9 Write a procedure P_LARGE that prints the largest number of given number. (N1=10, N2=20, N3=30).
(Use nested if)

→ Drop procedure if exists P_Large;

Delimiter //

create procedure P_Large()

Begin

Declare n1, n2, n3 int;

Set n1 = 10, n2 = 20, n3 = 30;

if (n1 > n2) then

if (n1 > n3) then

select 'N1 is greater';

else

select 'N3 is greater';

end if;

else

if (n2 > n3) then

select 'N2 is greater';

else

select 'N3 is greater';

end if;

end if;

End //

Delimiter ;

Call P_Large();

→

N3 is greater

N3 is greater

10 Write a procedure P_CITY that will display the name and total rating of the city that has highest total rating.

→ Drop procedure if exists P_CITY;

Delimiter //

Create procedure P_CITY()

Begin

Declare VCITY varchar(20);

Declare VRAT int;

Select CITY, sum(RATING) as SUMR into VCITY, VRAT
from customer group by CITY order by SUMR
desc limit 1;

Select VCITY, VRAT;

End//

Delimiter ;

Call P_CITY();

→

VCITY	VRAT
Surat	500

11. Write a procedure P-GRADE that will display the grade

of the CITY that has highest total rating. The grade of the CITY will be decided according to following rules

1. If total rating of all customer of that city is less

than 1000 then CITY-GRADE will be 'POOR'.

2. If total rating of all customer of that city is more than or equal to 1000 and less than 2000 then CITY

-GRADE will be 'GOOD'.

3. If total rating of all customer of that city is more than or equal to 2000 and less than 3000 then CITY

-GRADE will be 'EXCELLENT'.

4. If total rating of all customer of that city is more than or equal to 3000 then CITY-GRADE will be 'OUTSTANDING'. Use elseif structure.

→ Drop procedure if exists P-GRADE;

Delimiter //

Create procedure P-GRADE()

Begin

Declare VCITY varchar(20);

Declare VRAT int;

select CITY, sum(RATING) as SUMR into VCITY, VRAT
from customer group by CITY order by SUMR
desc limit 1;

if (VRAT < 1000) then

select 'POOR' as grade;

elseif (VRAT >= 1000 & VRAT < 2000) then

select 'GOOD' as grade;

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elseif (VRAT >= 2000 & VRAT < 3000) then  
    select 'EXCELLENT' as Grade;
```

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else
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```
    select 'OUTSTANDING' as Grade;
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end if;
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End//
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```
Delimiter ;
```

```
Call P.GRADE();
```

→

Grade
POOR

12 Rewrite the procedure created in 3.4 using nested if.

→ Drop procedure if exists P_GRADE;
delimiter //

Create procedure P_GRADE()

Begin

Declare VCITY varchar(20);

Declare VRAT int;

Select CITY, sum(RATING) as sumR int VCITY, VRAT
from customer group by CITY order by sumR
desc limit 1;

If (VRAT < 1000) then

Select 'POOR' as grade;

End if;

If (VRAT >= 1000) then

If (VRAT < 2000) then

Select 'GOOD' as grade;

End if;

End if;

If (VRAT >= 2000) then

If (VRAT < 3000) then

Select 'EXCELLENT' as grade;

else

Select 'OUTSTANDING' as grade;

End if;

End if;

End//

Delimiter ;

Call P-GRAD(E);

→

Grade
POOR

13 Write a procedure P-GRADE that will print customer name and grade of the customer whose customer number is 2002.

Grade will be decided according to following rules:

1. If rating is 100 then grade will be 'POOR'.
2. If rating is 200 then grade will be 'GOOD'.
3. If rating is 300 then grade will be 'EXCELLENT'.

Use simple case structure.

→ Drop procedure if exists P-GRADE;

Delimiter //

Create procedure P-GRADE()

Begin

Declare ~~VCNAME~~ ^{VCNAME} VARCHAR(20);

Declare URAT int;

select CNAME, sum(RATING) as SumR into VCNAME,
URAT from customer where CNUM = 2002 group by CNAME;

/* Mark starting of CASE block */
CASE

When URAT = 100 then

select 'POOR' as Grade;

When URAT = 200 then

select 'GOOD' as Grade;

When URAT = 300 then

select 'EXCELLENT' as Grade;

/* Mark ending of CASE block */

End case;

End //

Delimiter ;

Call P-GRADE();

Grade
GOOD

14 Rewrite the procedure for problem statement 13 using search case structure.

→ Drop procedure if exists P-GRADE;
Delimiter //

Create procedure P-GRADE()

Begin

Declare VNAME varchar(20);

Declare VRAT int;

select (NAME, sum(RATING)) as sumR into VNAME, VRAT
from customer where cnum = 2002 group by NAME;

Case VRAT

when 100 then

select 'POOR' as grade;

when 200 then

select 'GOOD' as grade;

when 300 then

select 'EXCELLENT' as grade;

End case;

End //

Delimiter ;

Call P-GRADE();

→

Grade
GOOD

15 write a procedure P_GRADE that will print customer name and grade of the customer whose

16 Rewrite the procedure for problem statement 11 using simple case structure.

→ Drop procedure if exists P_GRADE;

Delimiter //

Create procedure P_GRADE()

Begin

Declare VCITY varchar(20);

Declare VRAT int;

select CITY, sum(RATING) as SUMR into VCITY, VRAT
from customer group by CITY order by SUMR
desc limit 1;

CASE

when VRAT < 1000 then

select 'POOR' as grade;

when VRAT >= 1000 & VRAT < 2000 then

select 'GOOD' as grade;

when VRAT >= 2000 & VRAT < 3000 then

select 'EXCELLENT' as grade;

when VRAT >= 3000 then

select 'OUTSTANDING' as grade;

End case;

End//

Delimiter ;

Call P_GRADE();

Grade
POOR

15 which case structure (Simple or Search) will be appropriate for following procedure?

Write a procedure P_GRADE that will print customer name and grade of the customer whose customer number is 2002. Grade will be decided according to following rules.

1. If rating is between 0-100 then grade will be 'poor'.
2. If rating is between 101-200 then grade will be 'GOOD'.
3. If rating is between 201-300 then grade will be 'EXCELLENT'.

→ Drop procedure P_GRADE()

Begin

Declare VCNAM VARCHAR(20);

Declare VRAT INT;

select CNAME, RATING into VCNAM, VRAT from
Customer where CNUM = 2002;

Case

when VRAT >= 0 & VRAT <= 100 then

select 'POOR' as grade;

when VRAT >= 101 & VRAT <= 200 then

select 'GOOD' as grade;

when VRAT >= 201 & VRAT <= 300 then

select 'EXCELLENT' as grade;

End case;

End//

Delimiter ;

Call P_GRADE();

Grade
POOR