

Stored Procedure

1. Write a stored procedure by the name of `Comp_intr` to calculate the amount of interest on a bank account that compounds interest yearly. The formula is:-

$$= p (1 + r)^y$$

– p

where:-

I is the total interest earned.

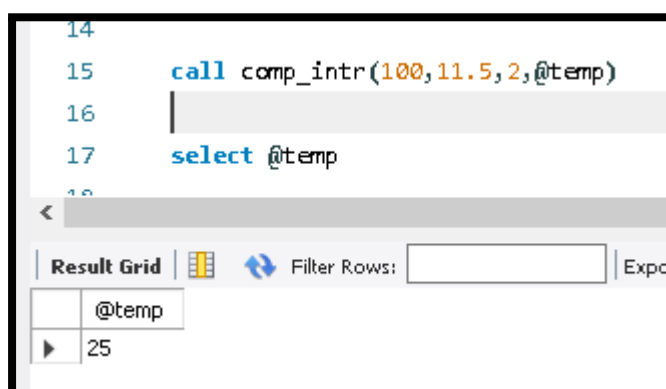
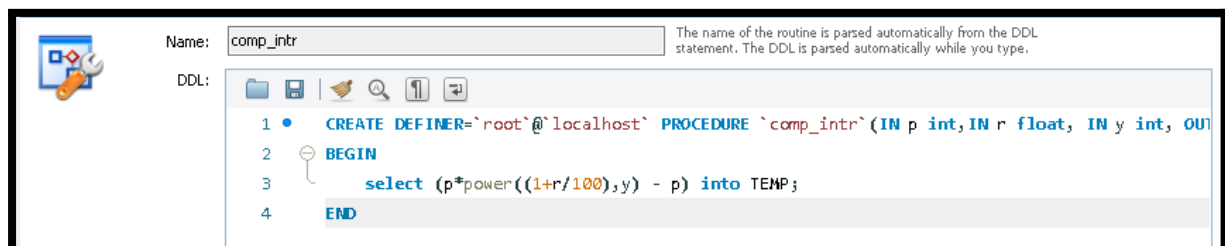
p is the principal.

r is the rate of interest as a decimal less than 1, and

y is the number of years the money is earning interest.

Your stored procedure should accept the values of p, r and y as parameters and insert the Interest and Total amount into temp table.

```
CREATE DEFINER='root'@'localhost' PROCEDURE `comp_intr`(IN p int,IN r float, IN y int, OUT
TEMP float)
BEGIN
    select (p*power((1+r/100),y) - p) into TEMP;
END
```



2. Create a stored function by the name of Age_calc. Your stored function should accept the date of birth of a person as a parameter. The stored function should calculate the age of the person in years. The stored function should return the age in years.

```
CREATE PROCEDURE `Age_calc`(IN dob date)
BEGIN
    select (2022-year(dob)) as Age ;
END
```

