

```
-- Database --
```

```
use shreya_dw;
```

```
-- Original Table (HR Dataset) --
```

```
select * from hrdata;
```

```
-- Procedure (Main Table Creation)--
```

```
drop procedure create_table;
```

```
delimiter $$
```

```
create procedure create_table()
```

```
begin
```

```
    drop table main_table;
```

```
    create table main_table
```

```
    (
```

```
        PKID INTEGER auto_increment PRIMARY KEY,
```

```
        State nvarchar(10),
```

```
        PayRate decimal(10,2),
```

```
        Gender nvarchar(10),
```

```
        Race nvarchar(50),
```

```
        EmpSatisfaction nvarchar(1),
```

```
        Age int,
```

```
        AgeGroup nvarchar(20),
```

```
        dob date
```

```
    );
```

```
end$$
```

```
delimiter ;
```

```
-- Procedure (Formatting Date and Getting Age) --
```

```
drop procedure dob_format;
```

```
delimiter $$
```

```
create procedure dob_format(emp nvarchar(10))
```

```
begin
```

```
    drop table dob_table;
```

```
    create table dob_table
```

```
    (
```

```
        dobid int auto_increment primary key,
```

```
        dob date,
```

```

        emplID int
    );
    insert into dob_table(dob, emplID)
select date_format(str_to_date(DOB,'%m/%d/%Y'),'%Y-%m-%d') as dob,
    EmplID
from hrdata
where EmploymentStatus = emp;

create table age_table
(
    ageid int auto_increment primary key,
    dob date,
    age int,
    emplID int,
    agegroup nvarchar(20)
);
insert into age_table(emplID, dob, age, agegroup)
select finaltab.emplID, dob, finaltab.age,
case
    when finaltab.age < 31 then 'Under 30'
    when finaltab.age between 31 and 35 then '31-35'
    when finaltab.age between 36 and 40 then '36-40'
    when finaltab.age between 41 and 45 then '41-45'
    when finaltab.age between 46 and 50 then '46-50'
    when finaltab.age between 51 and 55 then '51-55'
    when finaltab.age > 55 then 'Above 55'
end as agegroup
from dob_table,
(
    select floor(abs(DATEDIFF(dob, Curdate()) / 365.25)) as age, emplID
    from dob_table
) as finaltab
where dob_table.emplID = finaltab.emplID;
drop table dob_table;
end$$
delimiter ;

-- Procedure (Inserting data in table for viz for active employees) --

drop procedure final_data;

delimiter $$
CREATE PROCEDURE final_data()
BEGIN

```

```
call create_table();  
call dob_format('Active');
```

```
INSERT INTO main_table(State, PayRate, Gender, Age, Race, EmpSatisfaction, dob, agegroup)  
select State, PayRate,  
case Sex when 'F' then 'Female' else 'Male' end as Gender,  
age, RaceDesc, EmpSatisfaction, a.dob, agegroup  
from hrdata h join age_table a on h.empID = a.empID;
```

```
drop table age_table;  
END$$  
DELIMITER ;
```

```
call final_data();
```

```
select * from main_table;
```