

Assignment No.9

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```

```
CREATE PROCEDURE city_count(IN cityname varchar(20), OUT  
total INT)  
BEGIN
```

```
    SELECT COUNT(city) INTO total  
    FROM customer  
    where customer.city=cityname;
```

```
END //
```

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```
CREATE PROCEDURE even_odd_count(num INT)  
BEGIN
```

```
    DECLARE inc INT;  
    DECLARE countEven INT;  
    DECLARE countOdd INT;
```

```
    SET inc=1;  
    SET countEven=0;  
    SET countOdd=0;
```

```
    WHILE inc<=num DO  
        IF(inc MOD 2) THEN  
            SET countOdd=countOdd+1;  
        ELSE  
            SET countEven=countEven+1;  
        END IF;  
        SET inc=inc+1;  
    END WHILE;  
    SELECT countEven,countOdd;
```

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END //
```

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```
CREATE PROCEDURE reverse_num(num INT)
```

BEGIN

DECLARE rev INT;
DECLARE rem INT;
DECLARE temp INT;

SET rev=0;
SET rem=0;
SET temp=num;

WHILE temp>0 DO

SET rem=temp%10;
SET rev=(rev*10)+rem;
SET temp=floor(temp/10);

END WHILE;

SELECT num,rev;

END //

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CREATE PROCEDURE tax_calculation(IN sal FLOAT)
BEGIN

DECLARE hra FLOAT;
DECLARE medAll FLOAT;
DECLARE it FLOAT;
DECLARE net FLOAT;

SET hra=sal*0.1;
SET medAll=sal*0.05;
SET it=sal*0.2;
SET net=sal-hra-medAll-it;

SELECT sal,hra,medAll,it,net;

END //

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```
CREATE PROCEDURE total_spent(IN customerid INT, OUT total
FLOAT)
BEGIN
```

```
    SELECT SUM(total_price) INTO total
    FROM orders
    where orders.cust_id=customerid;
```

```
END //
```

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```

```
create procedure prime(num int)
begin
```

```
    declare i int;
    declare f int;
    declare msg varchar(100);
```

```
    set f = 0;
    set i = 2;
    set msg = '';
```

```
    label1: while i <= num/2 do
        if (num mod i) then
            set f = 1;
            LEAVE label1;
        end if;
        set i = i + 1;
    end while;
```

```
    if (num = 1) then
        set msg = '1 is neither prime nor composite!';
    elseif (f = 0) then
        set msg = 'Prime number!';
    else
        set msg = 'Composite number!';
    end if;
```

```
    select msg;
```

```
end //
```

```
delimiter ;
```