Q. PL/SQL stored procedure and stored function
Write a stored procedure namely proc_Grade for the categorization of customer. If purchase by customer in year<=20000 and >=10000 then customer will be placed in platinum category.
If purchase by the customer is between 9999 and 5000 category is gold, if purchase between 4999 and 2000 category is silver. Write a PL/SQL block for using procedure created with above requirement.

Customer (Cust_id, name, total_purchase)
Category (Cust_id, name, class)

PROCEDURE:

```
create or replace procedure proc_Grade1(id IN number) is
cat varchar2(10);
name1 varchar2(20);
total number;
begin
        select total_purchase into total from customer1 where cust_id = id;
        select name into name1 from customer1 where cust_id = id;
        if (total <= 20000 and total >= 10000) then
                cat := 'Platinum';
        elsif (total < 10000 and total >= 5000) then
                cat := 'Gold';
        elsif (total < 5000 and total >=2000) then
                cat := 'Silver';
        end if;
        insert into category values(id, name1, cat);
end;
/
```


BLOCK TO CALL PROCEDURE:

```
declare
        id number;
begin
        id := &id;
        proc_Grade1(id);
end;
/
```

FUNCTION:

```
create or replace function proc_Grade(id IN number) return varchar2 is
cat varchar2(10);
name1 varchar2(20);
total number;
begin
```

```
        select total_purchase into total from customer1 where cust_id = id;
        select name into name1 from customer1 where cust_id = id;
        if (total <= 20000 and total >= 10000) then
                cat := 'Platinum';
        elsif (total < 10000 and total >= 5000) then
                cat := 'Gold';
        elsif (total < 5000 and total >=2000) then
                cat := 'Silver';
        end if;
        insert into category values(id, name1, cat);
        return cat;
end;
/
```