

PROCEDURE

1. Write a PL/SQL program to perform banking operations using procedures.

```
create table account(account_no number,accountholder_name
varchar(20),balance number);
```

Program

```
create table account(acno number,name varchar(20),amount number);
insert into account values(&acno,'&name',&amount);
```

```
create or replace procedure deposit(ac number,bal number) is
begin
update account set amount=amount+bal where acno=ac;
end;
/
```

```
create or replace procedure withdraw(ac number,bal number) is
begin
update account set amount=amount-bal where acno=ac;
end;
/
```

```
create or replace procedure display is
cursor c is select * from account;
begin
for i in c
loop
dbms_output.put_line(i.acno||' '||i.name||' '||i.amount);
end loop;
end;
/
```

```
declare
```

```

ac number;
am number;
ch number;
begin
ac:=&acno;
am:=&amount;
ch:=&ch;
if ch=1
    then
        deposit(ac,am);
elseif ch=2
    then
        withdraw(ac,am);
elseif ch=3
    then
        display();
end if;
end;
/

```

Output

```

Enter value for acno: 3
old  6: ac:=&acno;
new  6: ac:=3;
Enter value for amount: 900
old  7: am:=&amount;
new  7: am:=900;
Enter value for ch: 1
old  8: ch:=&ch;
new  8: ch:=1;

```

PL/SQL procedure successfully completed.

2. Selected record's price is incremented by 100, executing the procedure created & displaying the updated table(use user defined Exception).

```
create table product(product_id int,product_name varchar(20),price int);
```

Program

```
create table product(pid int primary key,pname varchar(20),price int);
```

```
insert into product values(&pid,'&pname',&price);
```

```
create or replace procedure record(pi number,pr number) is
```

```
ex exception;
```

```
begin
```

```
update product set price=price+pr where pid=pi;
```

```
if sql%notfound then
```

```
raise ex;
```

```
end if;
```

```
exception
```

```
when ex then
```

```
dbms_output.put_line('product id invalid');
```

```
end;
```

```
/
```

```
declare
```

```
pid int:=&pid;
```

```
price int:=&price;
```

```
begin
```

```
record(pid,price);
```

```
end;
```

```
/
```

Output

```
Enter value for pid: 10
```

```
old 2: pid int:=&pid;
```

```
new 2: pid int:=10;
```

```
Enter value for price: 111
```

```
old 3: price int:=&price;
```

```
new 3: price int:=111;
```

```
product id invalid
```

```
PL/SQL procedure successfully completed.
```