**FUNCTION**

1. **User\_Validity**

create or replace function user\_validity (customer\_id in customer.cus\_id%type) return varchar2 as

uname varchar2(50);

begin

select user\_name into uname from customer where cus\_id=customer\_id;

return uname ;

exception

when no\_data\_found then

uname := null;

return uname ;

end;

1. **Find\_Card\_Id**

create or replace function find\_card\_id (customer\_id in customer.cus\_id%type) return number as

id number;

uname varchar2(20);

begin

uname := user\_validity(customer\_id);

if uname is null then

dbms\_output.put\_line('No valid user plz check id again');

else

select card\_id into id from customer where cus\_id=customer\_id;

end if;

return id ;

exception

when no\_data\_found then

dbms\_output.put\_line('There is something is worngplz check the id....');

id:=null;

return id;

end;

1. **Card\_Fine**

create or replace function card\_fine(card\_id in card.c\_id%type ) return number as

total\_fine NUMBER;

issue date;

ret date;

begin

select fine,issue\_date, return\_date into total\_fine,issue,ret from card where c\_id=card\_id;

if total\_fine> 0 then

dbms\_output.put\_line('last issue date is....'|| issue);

dbms\_output.put\_line('last return date is....'|| ret);

end if;

return total\_fine;

exception

when no\_data\_found then

total\_fine:= 'No id '||card\_id||' found';

return total\_fine;

end;

1. **Card\_Validity**

create or replace function card\_validity (card\_id in card.c\_id%type) return varchar2 as

c\_status varchar2(50);

begin

select status into c\_status from card where c\_id=card\_id;

return c\_status;

exception

when no\_data\_found then

c\_status := 'No id '||card\_id||' found';

return c\_status;

end;

1. **Fine\_From\_Cus\_Id**

create or replace function fine\_from\_cus\_id(customer\_id incustomer.cus\_id%type) return varchar2 as

flag varchar2(6);

card\_id number;

card\_fine\_rup number;

valid varchar2(10);

begin

flag := 'false';

valid := user\_validity(customer\_id);

if valid is null then

dbms\_output.put\_line(customer\_id || ' does not exsists....Please check again');

else

card\_id :=find\_card\_id(customer\_id);

if card\_id is null then

dbms\_output.put\_line('Card id dpesnt not exsists for '||customer\_id || '....Please check again');

else

card\_fine\_rup := card\_fine(card\_id);

if card\_fine\_rup> 0 then

dbms\_output.put\_line('total fine is...'|| card\_fine\_rup);

dbms\_output.put\_line('Plz pay first’);

else

flag:='true';

end if;

end if;

end if;

return flag;

end ;

1. **Book\_Find**

create or replace function book\_find (

book\_name in book.b\_name%type,

avail out book.availability%type) return number as id number;

begin

select book\_id,availability into id,avail from book where b\_name=upper(book\_name||’:the book’);

return id;

exception

when no\_data\_found then

id := 0;

avail :=0;

return id;

end;

1. **Video\_Find**

create or replace function video\_find (

video\_name in video.v\_name%type,

avail out book.availability%type) return number as id number;

begin

select video\_id,availability into id,avail from video where v\_name=upper(video\_name||':the video');

return id;

exception

when no\_data\_found then

id := 0;

avail :=0;

return id;

end;