**/\* 3.1.1\*/**

**DECLARE**

**val number(2):= 10;**

**BEGIN**

**LOOP**

**Dbms\_output.put\_line('val'||' '||val);**

**val:=val+10;**

**EXIT;**

**END LOOP;**

**END;**

**/\* 3.1.2\*/**

**DECLARE**

**val number(2):= 10;**

**BEGIN**

**LOOP**

**Dbms\_output.put\_line(‘val’||' '||val);**

**val:=val+10;**

**EXIT WHEN val>30;**

**END LOOP;**

**END;**

**/\* 3.2.1\*/**

**DECLARE**

**val number(2):=10;**

**BEGIN**

**WHILE val<=30**

**LOOP**

**Dbms\_output.put\_line('val'||' '||val);**

**val:=val+10;**

**END LOOP;**

**END**;

**/\* 3.3.1\*/**

**DECLARE**

**counter number:=9;**

**n NUMBER;**

**BEGIN**

**WHILE counter <=12**

**LOOP**

**counter:= counter+1;**

**n := counter;**

**IF mod(n,2) !=0 THEN**

**CONTINUE;**

**END IF;**

**Dbms\_output.put\_line (n||'     '|| 'Even number');**

**END LOOP;**

**END;**

**/\* 3.4.1\*/**

**BEGIN**

**FOR J IN 10..15**

**LOOP**

**DBMS\_OUTPUT.PUT\_LINE('value of J'||' '||J);**

**END LOOP;**

**END;**

**/\*3.4.2\*/**

**BEGIN**

**FOR J IN REVERSE 10..15**

**LOOP**

**DBMS\_OUTPUT.PUT\_LINE('value of J'||' '|| J);**

**END LOOP;**

**END;**

**/\*3.4.3\*/**

**DECLARE**

**v0 number:=1;**

**v1 number:=1;**

**v2 number;**

**BEGIN**

**Dbms\_output.put\_line (v0||' '||v1);**

**v0:=v1;**

**FOR I in 3..10**

**LOOP**

**v2:=v0+v1;**

**Dbms\_output.put\_line(v2);**

**v0:=v1;**

**v1:=v2;**

**END LOOP;**

**END;**

**/\*3.4.4\*/**

**BEGIN**

**FOR J IN 10..15**

**LOOP**

**IF J= 12 THEN**

**CONTINUE;**

**END IF;**

**DBMS\_OUTPUT.PUT\_LINE('value of J'||' '|| J);**

**END LOOP;**

**END;**

**/\*3.5.1\*/**

**DECLARE**

**mpass\_code PASSENG.PASS\_CODE%TYPE;**

**mname PASSENG.PASS\_NAME%TYPE;**

**mconfirm BOOKING.CONFIRM%TYPE;**

**status VARCHAR(15);**

**mcount INTEGER;**

**BEGIN**

**mcount := 1;**

**mpass\_code := 1111;**

**LOOP**

**EXIT when (mcount = 6);**

**SELECT PASS\_NAME, CONFIRM**

**INTO mname, mconfirm**

**from PASSENG, BOOKING**

**WHERE PASSENG.pass\_code = BOOKING.pass\_code**

**AND BOOKING.pass\_code = mpass\_code;**

**IF (mconfirm = 'Y')**

**THEN**

**status := 'confirmed';**

**ELSE**

**status := 'waiting';**

**END IF;**

**DBMS\_OUTPUT.PUT\_LINE(mpass\_code || ‘ ‘||status || ‘ ‘||mname);**

**mpass\_code := mpass\_code + 1;**

**mcount := mcount +1;**

**END LOOP;**

**END;**

**/\*3.5.2\*/**

**DECLARE**

**mname   CUST1.cust\_name%type;**

**workplace INFORM.organization %type;**

**code      numeric;**

**BEGIN**

**code := 10;**

**WHILE ( code <=30)**

**LOOP**

**SELECT CUST1.cust\_name,INFORM.organization into mname,workplace**

**FROM CUST1,INFORM**

**where CUST1.cust\_code=code and CUST1.cust\_code=INFORM.cust\_code;**

**code:=code+10;**

**insert into result6 values (mname, workplace);**

**END LOOP;**

**END;**

**/\*3.5.3\*/**

**DECLARE**

**mname    CUST1.cust\_name%type;**

**age1        CUST1.Age%type;**

**workplace INFORM.organization %type;**

**code      numeric;**

**BEGIN**

**code := 10;**

**FOR I in 1..3**

**LOOP**

**SELECT CUST1.cust\_name, CUST1.Age, INFORM.organization**

**INTO mname,age1,workplace**

**from CUST1,INFORM**

**WHERE CUST1.cust\_code=code and CUST1.cust\_code=INFORM.cust\_code;**

**code:=code+10;**

**IF age1<= 30**

**THEN**

**insert into result7 values(mname, age1,workplace);**

**end if;**

**END LOOP;**

**END;**

**/\*3.5.4\*/**

**Declare**

**mteacherno       faculty.teacherno%type;**

**mragency           sponsres.fundagency%type;**

**mrank                 faculty.rank%type;**

**Begin**

**FOR i IN 1..3 LOOP**

**SELECT teacherno, rank into mteacherno, mrank**

**from faculty where teacherno =i;**

**DBMS\_OUTPUT.PUT\_LINE(mteacherno||’ ‘||mrank);**

**if ( mrank like 'PROF')**

**then**

**UPDATE SPONRES**

**SET amount = amount +10000**

**WHERE teacherno = mteacherno and**

**fundagency like 'DS';**

**ELSIF ( mrank like 'ASST PROF')**

**THEN**

**UPDATE SPONSRES set amount = amount + 5000**

**WHERE teacherno = mteacherno and**

**fundagency like 'DS';**

**end if;**

**END LOOP;**

**END;**

**/\*3.5.5\*/**

**DECLARE**

**mtel\_contact   CALLS\_INFO.tel\_contact%TYPE;**

**mname CUST\_DETAILS.cust\_name%TYPE;**

**mtel\_no CALLS\_INFO.tel\_no%TYPE;**

**count1 number(2):=0;**

**t1 number(8):=656445;**

**BEGIN**

**LOOP**

**count1:=count1+1;**

**Exit WHEN count1 >2;**

**SELECT CUST\_DETAILS.tel\_no, cust\_name, tel\_contact**

**INTO mtel\_no,mname , mtel\_contact**

**FROM CUST\_DETAILS, CALLS\_INFO**

**WHERE CUST\_DETAILS.tel\_no = CALLS\_INFO.tel\_no**

**AND CALLS\_INFO.area\_code = 11**

**AND CUST\_DETAILS.tel\_no = t1;**

**INSERT INTO pt VALUES ( mname,mtel\_contact);**

**t1:=856440;**

**END LOOP;**

**END;**

**/\*3.5.6\*/**

**DECLARE**

**mcode                license.owner\_code%type;**

**mdate                 license.date\_expiry%type;**

**mname               [owner.name](http://owner.name/" \t "_blank)%type;**

**mphone             owner.phone%type;**

**cdate                   date;**

**oc    number:=1021;**

**ct       number:=1;**

**BEGIN**

**While ct<3**

**LOOP**

**select date\_expiry,owner\_code into mdate, mcode**

**from license**

**where owner\_code = oc;**

**/\*sysdate returns the retrieves current date and time from system into the PL/SQL variable cdate. Dual acts as a dummy table\*/**

**select sysdate into cdate from sys.dual;**

**/\*comparison of current date and insurance expiry date\*/**

**If (mdate  <= cdate)**

**then**

**/\*if the license has expired for the specified owner\*/**

**SELECT name, phone into mname, mphone**

**from owner**

**WHERE owner\_code = mcode;**

**/\*if the license has expired\*/**

**DBMS\_OUTPUT.PUT\_LINE(mcode ||' '||mname ||'  '|| mphone||'  '||'License expired');**

**else**

**/\*if the license is active\*/**

**DBMS\_OUTPUT.PUT\_LINE(mcode||’ ‘||'License active');**

**end if;**

**ct:=ct+1;**

**oc:=1358;**

**END LOOP;**

**End;**