

```
SQL> CREATE TABLE EMP_23 (EMP_NO VARCHAR(5), ENAME VARCHAR(10), SALARY
NUMBER(6), DEPT_NO VARCHAR(4), PRIMARY KEY (EMP_NO));
```

Table created.

```
SQL> DESC EMP_23;
```

Name	Null?	Type
EMP_NO	NOT NULL	VARCHAR2(5)
ENAME		VARCHAR2(10)
SALARY		NUMBER(6)
DEPT_NO		VARCHAR2(4)

```
SQL> INSERT INTO EMP_23 VALUES('&EMP_NO', '&ENAME', &SALARY, '&DEPT_NO');
```

Enter value for emp_no: E201

Enter value for ename: SABU

Enter value for salary: 7000

Enter value for dept_no: 15

```
old 1: INSERT INTO EMP_23 VALUES('&EMP_NO', '&ENAME', &SALARY, '&DEPT_NO')
```

```
new 1: INSERT INTO EMP_23 VALUES('E201', 'SABU', 7000, '15')
```

1 row created.

EMP_NO	ENAME	SALARY	DEPT
E201	SABU	7000	15
E202	SASI	15000	20
E203	RAVI	20000	22
E204	MITHUN	24000	20
E205	CRISTIANO	19000	20
E206	SURESH	30000	22
E207	SAM	27000	20
E208	LEO	25000	16

8 rows selected.

```
SQL> CREATE TABLE EMP_RAISE_23(EMP_NO VARCHAR(5), RAISE_DATE DATE, AMT  
NUMBER(5), PRIMARY KEY (EMP_NO, RAISE_DATE));
```

Table created.

```
SQL> DESC EMP_RAISE_23;
```

Name	Null?	Type
EMP_NO	NOT NULL	VARCHAR2(5)
RAISE_DATE		NOT NULL DATE
AMT		NUMBER(5)

```
SQL> SELECT * FROM EMP_RAISE_23;
```

no rows selected

incsal.sql

```
DECLARE  
NEW_AMT NUMBER;  
SAL NUMBER;  
ENO EMP_23.EMP_NO%TYPE;  
CURSOR C1 IS SELECT EMP_NO FROM EMP_23 WHERE DEPT_NO=20;  
M1 EMP_23.EMP_NO%TYPE;  
C NUMBER;  
BEGIN  
  
    OPEN C1;  
  
    LOOP  
        FETCH C1 INTO M1;  
        EXIT WHEN C1%NOTFOUND;  
        SELECT EMP_NO,SALARY INTO ENO,SAL FROM EMP_23 WHERE EMP_NO = M1;  
        SELECT COUNT(EMP_NO) INTO C FROM EMP_RAISE_23 WHERE EMP_NO=M1 ;
```

```
NEW_AMT := SAL + (SAL * 0.05);
UPDATE EMP_23 SET SALARY = NEW_AMT WHERE EMP_NO = M1;
```

```
IF C=0 THEN
```

```
INSERT INTO EMP_RAISE_23 VALUES (ENO,SYSDATE,NEW_AMT);
```

```
ELSE
```

```
UPDATE EMP_RAISE_23 SET EMP_NO=ENO, RAISE_DATE=SYSDATE, AMT=NEW_AMT;
END IF;
```

```
END LOOP;
```

```
CLOSE C1;
```

```
END;
```

OUTPUT

```
SQL> @incsal
```

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```

PL/SQL procedure successfully completed.

Commit complete.

```
SQL> SELECT * FROM EMP_23;
```

EMP_N	ENAME	SALARY	DEPT
E201	SABU	7000	15
E202	SASI	15750	20
E203	RAVI	20000	22
E204	MITHUN	25200	20
E205	CRISTIANO	19950	20
E206	SURESH	30000	22
E207	SAM	28350	20
E208	LEO	25000	16

8 rows selected.

SQL> SELECT * FROM EMP_RAISE_23;

EMP_N	RAISE_DAT	AMT
E202	07-NOV-23	15750
E204	07-NOV-23	25200

```
SQL> SELECT * FROM STUD_7;
```

NAME	ROLL	PHYSICS	CHEMISTRY	BIOLOGY
DAVID	1	75	64	88
EMMY	2	78	66	54
FARDEEN	3	98	92	94
GANESH	4	74	87	61
JACOB	5	65	63	72
MOHIT	6	88	84	78

6 rows selected.

toppers.sql

```
DECLARE
```

```
    CURSOR STUD IS SELECT NAME, ROLL, PHYSICS, CHEMISTRY, BIOLOGY FROM STUD_7
```

```
ORDER BY PHYSICS DESC;
```

```
    RNO STUD_7.ROLL%TYPE;
```

```
    N STUD_7.NAME%TYPE;
```

```
    P STUD_7.PHYSICS%TYPE;
```

```
    CH STUD_7.CHEMISTRY%TYPE;
```

```
    B STUD_7.BIOLOGY%TYPE;
```

```
    TM NUMBER(8):=0;
```

```
    CNT NUMBER(3):=0;
```

```
BEGIN
```

```
    OPEN STUD;
```

```
    IF STUD %ISOPEN THEN
```

```
    LOOP
```

```
        FETCH STUD INTO N,RNO,P,CH,B;
```

```
        CNT:=CNT+1;
```

```
        EXIT WHEN CNT=4;
```

```
        TM:=P+CH+B;
```

```
        DBMS_OUTPUT.PUT_LINE('ROLL NO:'||RNO||' NAME:'||N||'    TOTAL MARK:'||TM);
```

```
    END LOOP;
```

```
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```

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toppers.sql

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    TM NUMBER(8):=0;
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```
        DBMS_OUTPUT.PUT_LINE('ROLL NO:'||RNO||' NAME:'||N||'   TOTAL MARK:'||TM);
```

```
    END LOOP;
```

[Open](#)