```
declare
        cursor c1 is select * from football;
        name football.pname%type;
        totalgoals number;
        totalmatches number;
        countgoals number;
        countmatches number ;
        meanpercent number;
        footdata football%rowtype;
        meanofgoals number;
        meanofmatches number;
begin
        open c1;
        loop
                fetch c1 into footdata;
                exit when c1%notfound;
                select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football;
                meanofgoals    := totalgoals/countgoals;
                meanofmatches :=totalmatches/countmatches;
                meanpercent := (meanofgoals/meanofmatches)*100;
        end loop;
        dbms_output.put_line('totalgoals'           || ' ' || totalgoals);
        dbms_output.put_line('totalmatches'         || ' ' || totalmatches);
        dbms_output.put_line('mean of goals is :  ' || ' ' || meanofgoals);
        dbms_output.put_line('mean of matches is :' || ' ' || meanofmatches);
        dbms_output.put_line('mean percent is ' || ' ' || meanpercent);
        close c1;
end;
/
```

==
====================
                          SQLCommand

SQL*Plus: Release 21.0.0.0.0 - Production on Wed Dec 10 17:04:28 2025
Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: user1/pass1
Last Successful login time: Wed Dec 10 2025 15:05:30 +05:30

Connected to:
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production
Version 21.3.0.0.0

```
SQL> Select * from football;

       PID PNAME                     AGE COUNTRY      POSITION       GOALS
---------- ------------------- ---------- ------------ -------- ----------
   MATCHES CLUB                GRA
---------- --------------- ---
         9 Halland                    28 France       forward        200
       173 Baal Bharati

         1 lionel messi               36 Argentina    forward        106
       180 Inter miami

         2 Christiano Ronaldo         39 Portugal     forward        128
       205 Al-Nasar


       PID PNAME                     AGE COUNTRY      POSITION       GOALS
---------- ------------------- ---------- ------------ -------- ----------
   MATCHES CLUB                GRA
---------- --------------- ---
         3 Neymar-jr                  33 Brazil       forward         79
       128 al-Hilal

         4 Kylian mbappe              26 France       forward         52
        80 Real-madrid

         5 De bryian                  33 Belgium      Midfield        26
       100 Manchester city


       PID PNAME                     AGE COUNTRY      POSITION       GOALS
---------- ------------------- ---------- ------------ -------- ----------
   MATCHES CLUB                GRA
---------- --------------- ---
         6 Luka modric                39 Croatia      midfield        24
       175 Real madrid

         7 Harry kane                 31 england      forward         63
        89 Bayern munish

         8 Chhetri                    40 India        forward        120
       200 Indian club


       PID PNAME                     AGE COUNTRY      POSITION       GOALS
---------- ------------------- ---------- ------------ -------- ----------
   MATCHES CLUB                GRA
---------- --------------- ---
        10 Mohammad Salah             31 Egypt        Forward        150
```

```
       200 Liverpool

        11 Robert Lewandowski          35 Poland       Forward         220
       310 Barcelona

        12 Kevin De Bruyne             32 Belgium      Midfield         60
       250 Manchester City


       PID PNAME                       AGE COUNTRY      POSITION       GOALS
---------- -------------------- ---------- ------------ -------- ----------
   MATCHES CLUB             GRA
---------- --------------- ---
        13 Virgil van Dijk             32 Netherlands  Defender         15
       180 Liverpool

        14 Sadio Mane                  31 Senegal      Forward         130
       220 Bayern Munich

        15 Erling Haaland              23 Norway       Forward         120
       150 Manchester City


       PID PNAME                       AGE COUNTRY      POSITION       GOALS
---------- -------------------- ---------- ------------ -------- ----------
   MATCHES CLUB             GRA
---------- --------------- ---
        16 Karim Benzema               35 France       Forward         200
       340 Al-Ittihad

        17 Toni Kroos                  34 Germany      Midfield         40
       320 Real Madrid

        18 Casemiro                    31 Brazil       Midfield         30
       310 Manchester


       PID PNAME                       AGE COUNTRY      POSITION       GOALS
---------- -------------------- ---------- ------------ -------- ----------
   MATCHES CLUB             GRA
---------- --------------- ---
        19 Raheem Sterling             29 England      Forward         110
       270 Chelsea

        20 Paulo Dybala                30 Argentina    Forward          90
       200 Roma


20 rows selected.
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\
SP2-0310: unable to open file
"C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\
PL_SQL_1\sql18.sql\.sql"
SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

PL/SQL procedure successfully completed.

SQL> set serveroutput on ;
SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963

PL/SQL procedure successfully completed.
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963
totalscores1963

PL/SQL procedure successfully completed.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalscores  1963

PL/SQL procedure successfully completed.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\
```

```
SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL>  @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
                 result  = totalscores/totalmatches;
                           *
ERROR at line 14:
ORA-06550: line 14, column 11:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= . ( @ % ;
The symbol ":= was inserted before "=" to continue.


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalscores  1963
totalmatches  4080
result is : .481127450980392156862745098039215686274S

PL/SQL procedure successfully completed.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql\

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
                 meanofscores := totalscores/count(*);
                                                 *
ERROR at line 15:
ORA-06550: line 15, column 31:
PLS-00204: function or pseudo-column 'COUNT' may be used inside a SQL statement
only
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00204: function or pseudo-column 'COUNT' may be used inside a SQL statement
```

```
only
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
                select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches from football;
                                                                               *
ERROR at line 14:
ORA-06550: line 14, column 67:
PLS-00201: identifier 'TOTALGOALS' must be declared
ORA-06550: line 14, column 91:
PL/SQL: ORA-00904: : invalid identifier
ORA-06550: line 14, column 3:
PL/SQL: SQL Statement ignored
ORA-06550: line 15, column 3:
PLS-00201: identifier 'MEANOFGOALS' must be declared
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00204: function or pseudo-column 'COUNT' may be used inside a SQL statement
only
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored
ORA-06550: line 18, column 61:
PLS-00201: identifier 'TOTALGOALS' must be declared
ORA-06550: line 18, column 5:
PL/SQL: Statement ignored
ORA-06550: line 20, column 58:
PLS-00201: identifier 'MEANOFGOALS' must be declared
ORA-06550: line 20, column 2:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
                select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football;
```

```
                                                                              *
ERROR at line 14:
ORA-06550: line 14, column 67:
PLS-00201: identifier 'TOTALGOALS' must be declared
ORA-06550: line 14, column 115:
PL/SQL: ORA-00904: : invalid identifier
ORA-06550: line 14, column 3:
PL/SQL: SQL Statement ignored
ORA-06550: line 15, column 3:
PLS-00201: identifier 'MEANOFGOALS' must be declared
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00201: identifier 'COUNTMATCHES' must be declared
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored
ORA-06550: line 18, column 61:
PLS-00201: identifier 'TOTALGOALS' must be declared
ORA-06550: line 18, column 5:
PL/SQL: Statement ignored
ORA-06550: line 20, column 58:
PLS-00201: identifier 'MEANOFGOALS' must be declared
ORA-06550: line 20, column 2:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football;
select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football
                                                             *
ERROR at line 1:
ORA-00905: missing keyword


SQL> select sum(goals) as totalgoals,sum(matches) as totalmatches,count(goals) as
countgoals,count(matches) into totalgoals,totalmatches,countgoals,countmatches from
football;
select sum(goals) as totalgoals,sum(matches) as totalmatches,count(goals) as
countgoals,count(matches) into totalgoals,totalmatches,countgoals,countmatches from
football
                          *
ERROR at line 1:
ORA-00905: missing keyword
```

```
SQL> select sum(goals) as totalgoals,sum(matches) as totalmatches,count(goals) as
countgoals,count(matches) as countmatches from football;

TOTALGOALS TOTALMATCHES COUNTGOALS COUNTMATCHES
---------- ------------ ---------- ------------
      1963         4080         20           20

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
             select sum(goals),sum(matches),count(goals),count(matches) into
                    totalgoals,totalmatches,countgoals,countmatches from
football;

                                                 *
ERROR at line 14:
ORA-06550: line 14, column 98:
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 14, column 122:
PL/SQL: ORA-00904: : invalid identifier
ORA-06550: line 14, column 3:
PL/SQL: SQL Statement ignored
ORA-06550: line 15, column 31:
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00201: identifier 'COUNTMATCHES' must be declared
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
             select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football;

                 *
ERROR at line 14:
ORA-06550: line 14, column 91:
```

```
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 14, column 115:
PL/SQL: ORA-00904: : invalid identifier
ORA-06550: line 14, column 3:
PL/SQL: SQL Statement ignored
ORA-06550: line 15, column 31:
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00201: identifier 'COUNTMATCHES' must be declared
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
              select sum(goals),sum(matches),count(goals),count(matches) into
totalgoals,totalmatches,countgoals,countmatches from football;

                      *
ERROR at line 14:
ORA-06550: line 14, column 91:
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 14, column 115:
PL/SQL: ORA-00904: : invalid identifier
ORA-06550: line 14, column 3:
PL/SQL: SQL Statement ignored
ORA-06550: line 15, column 31:
PLS-00201: identifier 'COUNTGOALS' must be declared
ORA-06550: line 15, column 3:
PL/SQL: Statement ignored
ORA-06550: line 16, column 32:
PLS-00201: identifier 'COUNTMATCHES' must be declared
ORA-06550: line 16, column 3:
PL/SQL: Statement ignored


SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
```

```
SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalgoals  1963
totalmatches  4080
mean of goals is :     98.15
mean of matches is :   204

PL/SQL procedure successfully completed.

SQL> edit
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql

SQL> @
C:\Users\Ayush\OneDrive\Desktop\DATA_SCIENTIST\ORACLE_AND_MONGODB\PRACTISE\PL_SQL\P
L_SQL_1\sql18.sql
totalgoals  1963
totalmatches  4080
mean of goals is :     98.15
mean of matches is :   204
mean percent is    48.1127450980392156862745098039215686274 5

PL/SQL procedure successfully completed.

SQL>
```