Oracle SQL*Plus

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```
SQL> set serveroutput on
SQL> DECLARE
  2      a NUMBER;
  3      b NUMBER;
  4      c NUMBER;
  5  BEGIN
  6      a:=&a;
  7      b:=&b;
  8      c:=&c;
  9      dbms_output.put_line('Enter the value of first number:' || a);
 10      dbms_output.put_line('Enter the value of second number:' || b);
 11      dbms_output.put_line('Enter the value of third number:' || c);
 12      IF(a<b) THEN
 13          IF(b<c) THEN
 14          dbms_output.put_line('The maximum number is:' ||c);
 15          ELSE
 16          dbms_output.put_line('The maximum number is:' ||b);
 17          END IF;
 18      ELSE
 19          IF(c<a) THEN
 20          dbms_output.put_line('The maximum number is:' ||a);
 21          ELSE
 22          dbms_output.put_line('The maximum number is:' ||c);
 23          END IF;
 24      END IF;
 25  END;
 26  /
Enter value for a: 1
old   6:      a:=&a;
new   6:      a:=1;
Enter value for b: 2
old   7:      b:=&b;
new   7:      b:=2;
Enter value for c: 3
old   8:      c:=&c;
new   8:      c:=3;
Enter the value of first number:1
Enter the value of second number:2
Enter the value of third number:3
The maximum number is:3
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File Edit Search Options Help

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  3  BEGIN
  4      a:=&a;
  5      dbms_output.put_line('Enter the number:' || a);
  6      IF MOD(a,55) =0 THEN
  7      dbms_output.put_line('The number is divisible by 5 and 11');
  8
  9      ELSE
 10      dbms_output.put_line('The number is not divisible by 5 and 11');
 11      END IF;
 12  END;
 13  /
Enter value for a: 5
old   4:     a:=&a;
new   4:     a:=5;
Enter the number:5
The number is not divisible by 5 and 11

PL/SQL procedure successfully completed.

SQL> redoing 2
SP2-0042: unknown command "redoing 2" - rest of line ignored.
SQL>
SQL> DECLARE
  2      a NUMBER;
  3  BEGIN
  4      a:=&a;
  5      dbms_output.put_line('Enter the number:' || a);
  6      IF MOD(a,55) =0 THEN
  7      dbms_output.put_line('The number is divisible by 5 and 11');
  8
  9      ELSE
 10      dbms_output.put_line('The number is not divisible by 5 and 11');
 11      END IF;
 12  END;
 13  /
Enter value for a: 110
old   4:     a:=&a;
new   4:     a:=110;
Enter the number:110
The number is divisible by 5 and 11
```

```
SQL>
SQL>
SQL> 3)
SP2-0042: unknown command "3)" - rest of line ignored.
SQL> DECLARE
  2       a NUMBER;
  3       b NUMBER;
  4       s NUMBER;
  5  BEGIN
  6       a:=&a;
  7       b:=&b;
  8       s:=&s;
  9       dbms_output.put_line('Enter the length:' || a);
 10       dbms_output.put_line('Enter the breadth:' || b);
 11       dbms_output.put_line('Enter the side length:' || s);
 12       dbms_output.put_line('The Area of Rectangle is:'|| a*b);
 13       dbms_output.put_line('The Area of Triangle is:'|| 0.5*a*b);
 14       dbms_output.put_line('The Area of Square is:'|| s*s);
 15  END;
 16  /
Enter value for a: 4
old   6:      a:=&a;
new   6:      a:=4;
Enter value for b: 5
old   7:      b:=&b;
new   7:      b:=5;
Enter value for s: 6
old   8:      s:=&s;
new   8:      s:=6;
Enter the length:4
Enter the breadth:5
Enter the side length:6
The Area of Rectangle is:20
The Area of Triangle is:10
The Area of Square is:36

PL/SQL procedure successfully completed.

SQL>
SQL>
```

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SQL>
SQL> 4)
SP2-0042: unknown command "4)" - rest of line ignored.
SQL> DECLARE
  2      a NUMBER;
  3      b NUMBER;
  4      c NUMBER;
  5      d NUMBER;
  6      e NUMBER;
  7      marks NUMBER;
  8      total NUMBER;
  9      percentage REAL;
 10  BEGIN
 11      a:=&a;
 12      b:=&b;
 13      c:=&c;
 14      d:=&d;
 15      e:=&e;
 16      total:=&total;
 17      dbms_output.put_line('Enter the marks of Physics:'|| a);
 18      dbms_output.put_line('Enter the marks of Chemistry:'|| b);
 19      dbms_output.put_line('Enter the marks of Biology:'|| c);
 20      dbms_output.put_line('Enter the marks of Mathematics:'|| d);
 21      dbms_output.put_line('Enter the marks of Computer:'|| e);
 22      dbms_output.put_line('Enter the Max marks of all five subjects:' || total);
 23      marks:=a+b+c+d+e;
 24      percentage:=(marks/total)*100;
 25      IF(percentage>=90) THEN
 26      dbms_output.put_line('Grade A');
 27      ELSIF(percentage>=80) THEN
 28      dbms_output.put_line('Grade B');
 29      ELSIF(percentage>=70) THEN
 30      dbms_output.put_line('Grade C');
 31      ELSIF(percentage>=60) THEN
 32      dbms_output.put_line('Grade D');
 33      ELSIF(percentage>=40) THEN
 34      dbms_output.put_line('Grade E');
 35      ELSE
 36      dbms_output.put_line('Grade F');
 37      END IF;
 38  END;
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 36       dbms_output.put_line('Grade F');
 37       END IF;
 38  END;
 39  /
Enter value for a: 95
old  11:      a:=&a;
new  11:      a:=95;
Enter value for b: 85
old  12:      b:=&b;
new  12:      b:=85;
Enter value for c: 75
old  13:      c:=&c;
new  13:      c:=75;
Enter value for d: 65
old  14:      d:=&d;
new  14:      d:=65;
Enter value for e: 55
old  15:      e:=&e;
new  15:      e:=55;
Enter value for total: 500
old  16:      total:=&total;
new  16:      total:=500;
Enter the marks of Physics:95
Enter the marks of Chemistry:85
Enter the marks of Biology:75
Enter the marks of Mathematics:65
Enter the marks of Computer:55
Enter the Max marks of all five subjects:500
Grade C

PL/SQL procedure successfully completed.
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```
SQL> DECLARE
  2      a INTEGER:=1;
  3      n INTEGER:=100;
  4      i INTEGER:=1;
  5      s INTEGER:=0;
  6  BEGIN
  7      WHILE i<=n LOOP
  8      s:=s+i;
  9      i:=i+1;
 10      END LOOP;
 11      dbms_output.put_line('The sum is:'|| s);
 12  END;
 13  /
The sum is:5050

PL/SQL procedure successfully completed.

SQL>
SQL>
SQL>
SQL> CREATE TABLE Empinfo(id number(5), name varchar2(20), age number(3), address varchar2(20), sala
ry number(10));

Table created.

SQL> INSERT INTO Empinfo VALUES (1, 'Ramesh', 32, 'Ahmedabad', 2000);

1 row created.

SQL> INSERT INTO Empinfo VALUES (2, 'Khilan', 25, 'Delhi', 1500);

1 row created.

SQL> INSERT INTO Empinfo VALUES (3, 'Kaushik', 23, 'Kota', 2000);

1 row created.

SQL> INSERT INTO Empinfo VALUES (4, 'Chaital', 25, 'Mumbai', 6500);

1 row created.
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SQL> INSERT INTO Empinfo VALUES (4, 'Chaital', 25, 'Mumbai', 6500);

1 row created.

SQL> INSERT INTO Empinfo VALUES (5, 'Hardik', 27, 'Bhopal', 8500);

1 row created.

SQL> INSERT INTO Empinfo VALUES (6, 'Komal', 22, 'MP', 4500);

1 row created.

SQL> INSERT INTO Empinfo VALUES (6, 'Komal', 22, 'MP', 4500);

1 row created.

SQL> DECLARE
  2       e_id Empinfo.id%TYPE;
  3       e_name Empinfo.name%TYPE;
  4       e_age Empinfo.age%TYPE;
  5       e_salary Empinfo.salary%TYPE;
  6  BEGIN
  7       SELECT name INTO e_name
  8       FROM Empinfo WHERE id=1;
  9       dbms_output.put_line('The name of person having id=1 is ' || e_name);
 10       SELECT name, age, salary INTO e_name, e_age, e_salary
 11       FROM Empinfo WHERE address='Kota';
 12       dbms_output.put_line('The name,age, and salary lives in Kota is ' || e_name || ', ' || e_ag
e || ',and ' || e_salary || '.');
 13  END;
 14  /
The name of person having id=1 is Ramesh
The name,age, and salary lives in Kota is Kaushik, 23,and 2000.

PL/SQL procedure successfully completed.

SQL>
```