declare

i number;

begin

i:=1;

loop

dbms\_output.put\_line(i);

i:=i+1;

exit when i>10;

end loop;

end;

0

1

2

3

4

5

6

7

8

9

10

Statement processed.

declare

i number;

begin

i:=1;

while(i<=10)loop

dbms\_output.put\_line(i);

i:=i+1;

end loop;

end;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1  2  3  4  5  6  7  8  9  10  Statement processed.  0.00 seconds   |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

declare

i number;

begin

for i in 1..10

loop

dbms\_output.put\_line(i);

end loop;

end;

1

2

3

4

5

6

7

8

9

10

Statement processed.

0.00 seconds

declare

i number;

j number;

c number;

begin

i:=1;

for i in 1..100

loop

c:=0;

j:=1;

while(j<=i)

loop

if(mod(i,j)=0)then

c:=c+1;

end if;

j:=j+1;

end loop;

if(c=2)then

dbms\_output.put\_line(i);

end if;

end loop;

end;

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

53

59

61

67

71

73

79

83

89

97

Statement processed.

0.00 seconds

create table emp17(empid number,empname varchar2(20),deptno number,sal number(9),desig varchar2(20));

Table created.

0.08 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

insert into emp17 values(123,'ashwin',10,20000,'mgr');

1 row(s) inserted.

0.00 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

insert into emp17 values(124,'sankar',11,25000,'clerk');

1 row(s) inserted.

0.00 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

insert into emp17 values(125,'viji',12,15000,'clerk');

1 row(s) inserted.

0.00 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

select \* from emp17;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPID** | | **EMPNAME** | **DEPTNO** | | **SAL** | | **DESIG** | |
| 123 | | ashwin | 10 | | 20000 | | mgr | |
| 124 | | sankar | 11 | | 25000 | | clerk | |
| 125 | | viji | 12 | | 15000 | | clerk | |
| 3 rows returned in 0.00 seconds | | |  | | [CSV Export](http://127.0.0.1:8080/apex/f?p=4500:1204:750077804912907::::P1204_BROWSER_LANG:en-us) | |

|  |  |  |  |
| --- | --- | --- | --- |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPID** | | **EMPNAME** | **DEPTNO** | | **SAL** | | **DESIG** |
| 123 | | ashwin | 10 | | 20000 | | mgr |
| 124 | | sankar | 11 | | 25000 | | clerk |
| 2 rows returned in 0.04 seconds | | |  | |

create table emp17\_hist(empid number,empname varchar2(20),deptno number,sal number(9),desig varchar2(20),changedontimestamp date);

Table created.

0.00 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

create or replace trigger bef\_emp\_changed17

before update on emp17

for each row

begin

insert into emp17\_hist values(:old.empid,:old.empname,:old.deptno,:old.sal,:old.desig,sysdate);

end;

Trigger created.

0.25 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

update emp17 set sal=22000 where empid=123;

1 row(s) updated.

0.03 seconds

select \* from emp17;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPID** | | **EMPNAME** | **DEPTNO** | | **SAL** | | **DESIG** | |
| 123 | | ashwin | 10 | | 22000 | | mgr | |
| 124 | | sankar | 11 | | 25000 | | clerk | |
| 125 | | viji | 12 | | 15000 | | clerk | |
| 3 rows returned in 0.00 seconds | | |  | | [CSV Export](http://127.0.0.1:8080/apex/f?p=4500:1204:750077804912907::::P1204_BROWSER_LANG:en-us) | |

update emp17 set sal=45000,desig='sr.mgr' where empid=123;

1 row(s) updated.

0.00 seconds

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

select \* from emp17\_hist;

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPID** | | **EMPNAME** | **DEPTNO** | | **SAL** | | **DESIG** | | **CHANGEDONTIMESTAMP** |
| 123 | | ashwin | 10 | | 20000 | | mgr | | 26-FEB-19 |
| 123 | | ashwin | 10 | | 22000 | | mgr | | 26-FEB-19 |
| 2 rows returned in 0.00 seconds | | |  | | [CSV Export](http://127.0.0.1:8080/apex/f?p=4500:1204:750077804912907::::P1204_BROWSER_LANG:en-us) | |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

select \* from emp17;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPID** | | **EMPNAME** | **DEPTNO** | | **SAL** | | **DESIG** | |
| 123 | | ashwin | 10 | | 45000 | | sr.mgr | |
| 124 | | sankar | 11 | | 25000 | | clerk | |
| 125 | | viji | 12 | | 15000 | | clerk | |
| 3 rows returned in 0.00 seconds | | |  | | [CSV Export](http://127.0.0.1:8080/apex/f?p=4500:1204:750077804912907::::P1204_BROWSER_LANG:en-us) | |

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