A free guess the SQL statement quiz with a new challenge every day. Click here to give it a shot today!

```
2        a number;
3        b number;
4        c number;
5   begin
6        a:=5;
7        b:=9;
8        c:=13;
9        if(a>b and a>c) then
10           dbms_output.put_line('a is largest '||a);
11       elsif(b>a and b>c) then
12           dbms_output.put_line('b is largest '||b);
13       else
```

```
Statement processed.
c is largest 13
```

```
1   declare
2        a number(10);
3        b number;
4   begin
5        a:=6;
6        b:=1;
7        if(a=0 or a=1) then
8            b:=1;
9        else
10           while(a>1)
11           loop
12               b:=b*a;
13               a:=(a-1);
14           end loop;
15       end if;
```

```
Statement processed.
Factorial is : 720
```

☑ Autocommit   Display 10   Save   Run

```
declare
        a number:=564132987;
        o number:=0;
        e number:=0;
        v number;
begin
        while(a!=0)
        loop
                v:=mod(a,10);
                if(mod(v,2)=0) then
                        e:=e+1;
                else
                        o:=o+1;
                end if;
```

Results   Explain   Describe   Saved SQL   History

No of even: 4 and no of odd: 5

Statement processed.

0.02 seconds

```
1   declare
2        a number;
3        b number;
4        c number;
5   begin
6        a:=1259;
7        b:=0;
8        c:=a;
9        while(c>0)
10           loop
11               b:=(b*10)+(mod(c,10));
12               c:=trunc(c/10);
13           end loop;
14       dbms_output.put_line('The reverse of '||a||' is '||b);
15   end;
```

```
Statement processed.
The reverse of 1259 is 9521
```

```
1   declare
2       a number:=0;
3       b number:=1;
4       c number;
5       n number;
6   begin
7       n:=16;
8       dbms_output.put('0,1,');
9       while(n>0)
10      loop
11          c:=a+b;
12          a:=b;
13          b:=c;
14          n:=n-1;
15          dbms_output.put(c||',');
```
Statement processed.
0,1,1,2,3,5,8,13,21,34,55,89,144,233,377,610,987,1597,2584,

```
1   declare
2       a number(4);
3       b number(1);
4   begin
5       a:=1900;
6       if(mod(a,400)=0) then
7           b:=1;
8       else
9           if(mod(a,4)=0 and mod(a,100)!=0) then
10              b:=1;
11          else
12              b:=0;
13          end if;
14      end if;
15      if(b=1)then
```
Statement processed.
Not Leap Year

```
1   declare
2       a number;
3       b number;
4       counter number;
5   begin
6       a:=15911;
7       b:=2;
8       counter:=2;
9       while(b<a)
10      loop
11          if(mod(a,b)=0) then
12              counter:=counter+1;
13          end if;
14          b:=b+1;
15      end loop;
```
Statement processed.
Given number is not prime!

```
1   declare
2       a number:=155;
3       b number:=62;
4       c number;
5   begin
6       c:=a+b;
7       dbms_output.put_line('Sum is '||c);
8   end;
```
Statement processed.
Sum is 217

```
 6        ch varchar(1);
 7 v begin
 8        a:=upper(a);
 9 v     for i IN 1..length(a) loop
10            ch := substr(a, i, 1);
11 v            if regexp_like(ch, '[A-Z]') then
12                if ch in ('A', 'E', 'I', 'O', 'U') then
13                    v := v + 1;
14 v                else
15                    c := c + 1;
16                end if;
17            end if;
18        end loop;
19        dbms_output.put_line('No of vowels: '||v||' and no of consonats: '||c);
20  end;
```

```
Statement processed.
No of vowels: 5 and no of consonats: 9
```

```
 1 v declare
 2        a number:=1564;
 3        b number:=0;
 4        c number:=a;
 5 v begin
 6        while(c>0)
 7        loop
 8            b:=b+(mod(c,10));
 9            c:=trunc(c/10);
10        end loop;
11        dbms_output.put_line('Sum of digits of '||a||' is '||b);
12  end;
```

```
Statement processed.
Sum of digits of 1564 is 16
```