

Oracle中的进制转换 PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/143/2021\\_2022\\_Oracle\\_E4\\_B8\\_AD\\_E7\\_c102\\_143153.htm](https://www.100test.com/kao_ti2020/143/2021_2022_Oracle_E4_B8_AD_E7_c102_143153.htm) 1.16进制转换为10进制 可以通过to\_number函数实现

```
SQL> 0select to_number(19f,xxx) from dual.TO_NUMBER(19F,XXX)-----415SQL>
```

```
0select to_number(f,xx) from
```

```
dual.TO_NUMBER(F,XX)-----152.10进制转换为16
```

进制 可以通过to\_char函数转换SQL> 0select to\_char(123,xxx)

```
from dual.TO_C----7bSQL> 0select to_char(4567,xxxx) from
```

```
dual.TO_CH----11d73.2进制转换为10进制 从Oracle9i开始,提供
```

函数bin\_to\_num进行2进制到10进制的转换SQL> 0select

```
bin_to_num(1,1,0,1) a,bin_to_num(1,0) b from dual.A B-----
```

```
-----13 2SQL> 0select bin_to_num(1,1,1,0,1) from
```

```
dual.BIN_TO_NUM(1,1,1,0,1)-----294.进制转换
```

也可以通过自定义函数实现 以下函数来自AskTom网站,

是Tom给出的例子,供参考:create or replace function to\_base(

```
p_dec in number, p_base in number ) return varchar2isl_str
```

```
varchar2(255) default NULL.l_num number default p_dec.l_hex
```

```
varchar2(16) default 0123456789ABCDEF.beginif ( trunc(p_dec)
```

```
p_dec OR p_dec raise PROGRAM_ERROR.end if.loopl_str :=
```

```
substr( l_hex, mod(l_num,p_base) 1, 1 ) || l_str.l_num := trunc(
```

```
l_num/p_base ).exit when ( l_num = 0 ).end loop.return l_str.end
```

```
to_base./create or replace function to_dec( p_str in varchar2,
```

```
p_from_base in number default 16 ) return numberisl_num number
```

```
default 0.l_hex varchar2(16) default 0123456789ABCDEF.beginfor i
```

```
in 1 .. length(p_str) loop l_num := l_num * p_from_base
instr(l_hex,upper(substr(p_str,i,1)))-1.end loop.return l_num.end
to_dec./show errorscreate or replace function to_hex( p_dec in
number ) return varchar2isbeginreturn to_base( p_dec, 16 ).end
to_hex./create or replace function to_bin( p_dec in number ) return
varchar2isbeginreturn to_base( p_dec, 2 ).end to_bin./create or
replace function to_oct( p_dec in number ) return
varchar2isbeginreturn to_base( p_dec, 8 ).end to_oct./ 100Test 下载
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```