

Q&A

十进制/二进制/十六进制转换

```
1 2^0 1 00000001
2 2^1 2 00000010
3 2^2 4 00000100
4 2^3 8 00001000
```

1	Decimal	Binary	Hexadecimal
2	1		
3	21		
4		0b10000001	
5			0x1e

尝试实现类似的转换函数

```
1 int convert_to_hex(int num)
```

利用 GDB 进行转换

```
1 p/t - 以二进制打印
2 p/x - 以十六进制打印
3 p/o - 以八进制进行打印
```

快速正负转换

```
1 // 4 bit
2 -4 (0b1100)
```

```
3  7 (0b0111)
4  3 (0b0011)
5 -8 (0b1000)
```

```
1  // 8 bit
2  -4 (0b11111100)
3  24 (0b00011000)
4  36 (0b00100100)
5 -17 (0b11101111)
```

数据大小判断

```
1 unsigned long
2 short
3 signed char
```

数据范围判断

```
1 unsigned long
2 short
3 signed char
```

整型值判断

```
1 0b11101011
```