

Lab Goal : This lab was designed to teach you how to use for loops and a little bit about base conversion.

Lab Description : Convert a base 2 – binary number to base ten.

1101 base 2 = 13 base 10
 1111 base 2 = 15 base 10
 11111 base 2 = 31 base 10
 10000 base 2 = 16 base 10

How does binary work?
 Binary is a power of 2 number system.

2^4	2^3	2^2	2^1	2^0
16	8	4	2	1
1	1	0	1	0
= 26				

Sample Data :

1010
 1100
 1110
 1111
 11111
 111111
 1111111
 1110101
 10101010101
 1010101010110
 11111111111111111111

Files Needed ::

TwoToTen.java
 Lab08j.java

Sample Output :

1010 == 10
 1100 == 12
 1110 == 14
 1111 == 15
 11111 == 31
 111111 == 63
 1110101 == 117
 10101010101 == 1365
 1010101010110 == 5462
 11111111111111111111 == 262143