

Lab Goal : This lab was designed to teach you more about switch case statements.

Lab Description : Convert each hex character to its binary equivalent. The only HEX characters will be in the range A..F.

A - 1010
B - 1011
C - 1100
D - 1101
E - 1110
F - 1111

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

2^3	2^2	2^1	2^0
8	4	2	1
1	0	1	0

Files Needed ::

HexToBinary.java
HexToBinaryRunner.java

Sample Data :

A
B
C
D
E
F
X

Sample Output :

Enter a letter :: A
A is 1010 in binary!

Enter a letter :: B
B is 1011 in binary!

Enter a letter :: C
C is 1100 in binary!

Enter a letter :: D
D is 1101 in binary!

Enter a letter :: E
E is 1110 in binary!

Enter a letter :: F
F is 1111 in binary!

Enter a letter :: X
X is ERROR in binary!

//EXAMPLE SWITCH CASE

```
int x=90,y=0;
switch(x)
{
    case 70 : y=5; break;
    case 80 : y=10; break;
    case 90 : y=15; break;
    case 100 : y=20; break;
}
```