

**Lab Goal :** This lab was designed to teach you how to use if statements.

**Lab Description :** Analyze a character to determine if the character is lowercase, uppercase, or a digit. You must know the ASCII values for 'a', 'A', and '0'.

### Sample Data:

A  
1  
a  
7  
D  
2  
X  
Z  
9

#### Files Needed ::

CharacterAnalyzer.java  
Lab05d.java

### Sample Output :

Enter a letter :: A  
A is an uppercase character. ASCII == 65

Enter a letter :: 1  
1 is a number. ASCII == 49

Enter a letter :: a  
a is a lowercase character. ASCII == 97

Enter a letter :: 7  
7 is a number. ASCII == 55

Enter a letter :: D  
D is an uppercase character. ASCII == 68

Enter a letter :: 2  
2 is a number. ASCII == 50

Enter a letter :: X  
X is an uppercase character. ASCII == 88

Enter a letter :: z  
z is a lowercase character. ASCII == 122

Enter a letter :: 9  
9 is a number. ASCII == 57

#### //EXAMPLE NESTED IF CODE

```
int x = 90;  
int y = 0;  
  
if(x>50)  
{  
    if(y>20)  
    {  
        out.println("fun");  
    }  
}
```