Well, I suffered from this question because there isn’t any clear and satisfying explanation.

Here what I gained from my Learnings from different sources.

The Main Difference is

**Who is the Boss/Who will handle the flow of Code?**

|  |  |
| --- | --- |
| Framework | Library |
| It’s kind of full application which is used to make another application of particular kind | It is well coded set of sub-libraries and function which programmer uses to prevent redundant work in coding same functionality. |
| Creating an application is fast and efficient as complex task done by framework, you just have to write the functionality code, that’s it. | Creating an application is more complex as you just imported different functionalities that will make your task easy but still you have to do it by yourself. |
| **IMPORTANT:**  Flow of application is handled by framework.  Framework is the Boss. | **IMPORTANT:**  Flow of application is controlled by programmer.  You are the Boss. |
| In above point, **what is actually meant by flow?**  Well Flow means what is going to happen with particular code, which & when a variable going to allocate or destroy memory or will go out of scope, destruction and construction of pointers.  Let me explain with example,  *Suppose you are building the setting functionality of setting button*  In Framework, you will write setting button code & its position where it would be placed, you have no control how this code is connected with that click and what is going on internally  Framework is Boss here it will **call** your code and bind it to that button and add click functionality, and on click it will execute your binded code.  In Library, you will **call** the libraries and use their functionality to implement setting button, you are going to add each and every functionality by yourself expect all that were added in that library, then you will have to bind that functionality of code to button by yourself, what will happen on click when variables are going to destroy all done by programmer. | |
| It provides ready to use tools, standards templates. | It will provide functions and reusable codes. |
| You have less freedom compare to library approach as you can’t control the flow. | Everything is in your control and you can do whatever you want. |
| So finally, if you have to make website simple, quickly and less complex for programmer with all essential functionality then, you go for Framework Approach. | So finally, if you are not short on time and have to build a deep functionality complex website with all flow of code according to you then, you go for Library Approach. |