| A Posteriori analysis | A priori analysis |
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| Posteriori analysis is a relative analysis. | Piori analysis is an absolute analysis. |
| It is dependent on language of compiler and type of hardware. | It is independent of language of compiler and types of hardware. |
| It will give exact answer. | It will give approximate answer. |
| It doesn’t use asymptotic notations to represent the time complexity of an algorithm. | It uses the asymptotic notations to represent how much time the algorithm will take in order to complete its execution. |
| The time complexity of an algorithm using a posteriori analysis differ from system to system. | The time complexity of an algorithm using a priori analysis is same for every system. |
| If the time taken by the algorithm is less, then the credit will go to compiler and hardware. | If the program running faster, credit goes to the programmer. |