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| **Name/ Registration no:** | **M MUAZ SHAHZAD** |
| **02-131202-081** |
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| **Semester:** | **2nd** |
| **Section:** | **2B** |

***Class Activity 2***

A passenger aircraft is composed of several millions of parts and requires thousands of persons to assemble. A four-lane highway bridge is another example of complexity. The first version of Word for Windows, a word processor released by Microsoft in 1989, required 55 person-years, resulted into 249,000 lines of source code, and was delivered 4 years late. Aircraft and highway bridges are usually delivered on time and within budget, whereas software is often not.

**Discuss what are, in your opinion, the differences between developing an aircraft, a bridge, and a word processor that would cause this situation.Opinion:** Software takes time to develop. When we are manufacturing of any constructional product so we can add number of workers to speed up to complete our project in a quick time, but it is not in the case of developing software because adding number of workers while developing will delay the development as new people will have to understand all the things from start which will take more time.  
Secondly when you are designing a software first time the requirements are not clearly defined so that is the reason of delay a delivery of project.  
Software requirements are changing with time to time which result in the change in budget. Whereas many bridges and aircraft are simply refinements of existing projects. This reduces the overall effort.