**IT5016\_Assessment 2\_part B**

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Introduction of SDLC :-

To embark with the introduction of SDLC, it is Stands for Software Development Life Cycle well it play very essential role in Software Development and there are total six steps which a developer should learn to create a Complete and perfect software and all of them I have apply on the task 1 code also I have elaborated here.

* Planning :- The main role of planning in SDLC is , it will comprise requirement gathering, resource allocation, risk identification, and project timeline.

And in this code I have established class which is RequisitionSystem and made \_\_init\_\_ to get all the information from staff and plan to build the perfect software.

* Analysis :- The main role of analysis is to check the program which are the function should be build in the program and focusing to do not write too complexity code because it will be very difficult to understand for client.
* Design :- The main role of Design in SDLC is To Design The software that will do the program given in task 1 Question which is get staff info and provide some info as well.
* Implementation:-The Implementation in this code is to check applied all the requirements of the Client and as per the question I have to display some ,major information like Date , Staff ID , Staff Name , Requisition ID Total amount and Status of the staff member , And generated reference number. Also Check the feature which I have build in Task .
* Testing & Integration :- In the Testing part I have to check each and every function and class of the part B task 1 and like check that each and every staff have correct Requisition ID and everything.
* Maintenance :- The main role of Maintenance in SDLC is to observe the software and get details about the program to find out the bugs and each and every thing and solve it in less time.