A1)There are three life cycle in class component they are 1)Mounting-when component render first time, we can also use constructor which automatically call and initialize to handle event we use bind in it 2)updating-when state or props changes 3)Unmounting-component which have side effect like subscription which needs cleanup.Function component does not have any life cycle they have hooks like useEffect and useState Useeffect is used to manage side effect just like which runs in every render and it have empty dependencies in which we pass any state or any other thing this act like updating the side effect are DOM manipulation,fetch,subscription and then it also return the function which cleanup side effect like unmounting like subscription or timer.Usestate is used to manage state which can change value when update