Cloud Computing S. Kalyan 18BL5084. O API is the acronym for application programming interface, which is a Software intermediary that allow two application to take to each other Inagine you're silting at a table is a menu of with a menu of choices to older from. The kitchen is the part of the "system" that will Juepace your older what is missing is the critical link to Communicate your order to the pocher E delinear your food hack to your table. That's where the waiter of API The waiter is the messenger - or ApIthat takes your request (d) older & tells The kitchen - the system - what to do. Then the waiter telinus the supra back to you; in this Can, it is

Infrastruture as a Services (1008) The havic layer of cloud is the infrastrutue- 1905. This layer is basically hardware & stetwork the hosting company are mainly two things. Scalabetity & virtualisation. scalability is most emportant. The tome laat vendors are scaling their laat layer into such huge quandative that the marginal Cost of adding more GHZ, GB, Stolge & log on Ex Gmail, the Groupe mail Service Who we we around 15 GB for fee. In older to do this, Groogle huilt grigantic data centers consisting of millions of serves. Platform as a service (paas). The second layer of the cloud is the Platform - the paas. The platform layer provides resource to actual build application In Combination with laws, paas provides the ability to Leulisp tet, sum & host upplication. En paag is incrosoft Ature. This Hatterm promider fentelopes with swift degloyment en niromment & enen let you

host the application you are building. Software as a servicts (sans). It has been used for may year, but in a cloud selting, it is the layer in which the wer consumes the offering from the service providu. The saat layer must be web-bend & here acceptable from encywhere & prefusibly or any denice the key is to industand that it male no Sense do all whithe a service is cloud wir saas is a layword cloud stak. Paas is often the most cost-effective & time effetive way for a denebra to create a orique application. It allows develope to fruit on the creative side of opp development.

1.In cloud architectur, the server hardwar is provided & maintanne to it is done by the Service provide USW can draw the service they require our the internet elimination the new to purhau any new hardione 2. www pay for the services they we. It Lours away the need to pary any fixed monthly plan fee as in tradiational hosting. It also ensury they to not have to buy relowery unitized 3. Cloud architectre ii scalable on demand. use Can increas (d) deriver their surrous second we so just a few chity willrout the need of any physical effect as in traditional horling 4. Cloud hosting is capable of handling wolkloads, seam levely without any pollisi City of failure sine it function as 1 network, inen of three is a faithure is one of the components, the Gernices are available from the other active Components.

5. cloud offer better data security & recome error any natural disaster & humans multiple Cocations. (3) Stor north Commonly wed cloud Computing are. @ stolage (Amazon 13). S3 is an object stolage service that offey indutry leading salability. Security, data analiability & futomace. eg: 33. (b) Compution (EC2) - Ecz is an scalable Computing resoure modele. I Enable develor to let serves in the Clould ) It is integral part of Aws ecosyllam. (c) Databou -) It Awa database in the clouded the supports bothe relation & nonrelation datas dyltin. Eg: Dynamodb.

(4) Service management Jet is und to Configue managent Service that Ironides manages instans of all the infrastruce æg: clothed watch. The statement is falle cloud service compones ne not econo