Types of Cloud Computing
There are three types of cloud services but remember there can be more cloud services coming up in future. But these three are the most popular services service categories that can that we can identify.

- Software As A Service
- Infrastructure as a service
- Platform as a service

Software As A Service (SAAS)

The first one is Software as a Service. We can call this on-demand software. SaaS applications are delivering the services of the software through the Internet simple as they are delivering the services of different software through the Internet. For example, if you take Google Maps, Google Maps is a cloud-based service. It said software as a service the software is map software allows different maps routing navigation there are lots of features this is software, but the software is designed to function in a cloud environment. You don't need to install this software Google Maps on your computer. You just need the Internet, so you connect to the Internet, and you connect to this website Google Maps. Then you can enjoy Google Maps features. And also, I can name many examples. Zoom or Google Drive, your Gmail client and Google Calendar. There is a lot of software that we can identify as software as a service in the cloud computing domain. one interesting fact students, software as the service is the most demanding and trending proud computing category that we can observe today most of the commercial software are delivered as SaaS products.

Platform As A Service (PAAS)

This is mostly for developers. As developers, programmers, you can enjoy different web applications those are providing Infrastructure and services through the cloud. For example, if you have heard of the Google cloud platform or Microsoft Azure Heroku, these are very powerful platforms. These are simply web applications, but these are serving as platforms. If you want to develop very powerful software or applications, you don't need a very powerful computer. Now you can use one of these platforms and build. So it's a virtual development environment. You can set up your environment and enjoy these features. You can develop, test, run and manage your applications on top of these platforms.

Infrastructure As A Service (IAAS)

These web applications allow developers to utilise some hardware resources on the cloud. For example, you know what it means why your server aren't you? Servers are some hardware devices that we use to store data content for web applications. If you are enjoying facilities provided by infrastructures as a service kind of an

application, you don't need to maintain physical devices. If you have access to Infrastructure as a service kind of a platform, there, you can set up virtual services. One of the best examples is the digital ocean. Digital ocean provides you to set up virtual services you are not maintaining a physical server. You can set up a virtual server, and you can log in to that server, and you can put all the website content there, and you can host a web application there. It's a very interesting approach to infrastructure as a service. You can enjoy through the cloud if you're using an Infrastructure as a service kind of application. So there are very powerful platforms, applications for this. Pulumi is another one. Pulumi allows you to set up very high-performance development environments as a cloud service. It's a very modern and latest one for cloud computing services.

Pulumi Documentation - Read for your interest
Pulumi is a great example for Infrastructure as a Service (IaaS). Check their official documentation and see what you can do with Pulumi.

https://www.pulumi.com/docs/

This further reading by Amazon Web Services (AWS) team gives in-detail explanations with examples.

https://aws.amazon.com/what-is-cloud-computing/