Day 3 assignment

assignment1:- What are the different services we have for storage, how do allow these storage services to access with other gcp services and on-prem servers or other cloud services.

Storage options:-

1. Block storage:-
    1. Persistent disk API service
    2. The local storage assigned to a compute
2. Object storage:-
    1. Cloud storage
3. File storage:-
    1. File store
4. Relational databases:-
    1. CloudSQL
    2. Cloud spanner
    3. AlloyDB
5. NoSQL DB:-
    1. Firestore
    2. Bigtable
6. Cache:-
    1. Memorystore
7. Data warehouse
    1. BigQuery

How can these services be accessed by gcp resources:-
This really depends on which service is trying to access the storage service, like cloudrun can access it based on an event architecture. However one think common amongst every access attempt is that the principle attempting to access the storage service must have appropriate roles assigned to it.

How can external resources access GCP storage services:-
Create a service account with the required roles and download the JSON it creates, take this json and feed it to your external server so that it can authenticate as the service account in GCP while making the request to the storage service