1-what is differnect http status code and explain meaning of each of them ?

```
    Informational responses ( 100 - 199 )
    Successful responses ( 200 - 299 )
    Redirection messages ( 300 - 399 )
    Client error responses ( 400 - 499 )
    Server error responses ( 500 - 599 )
```

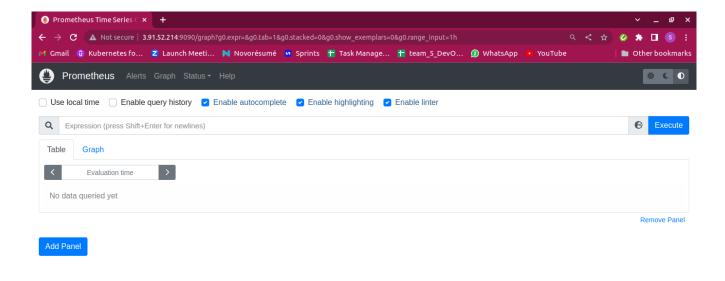
- 2-What database is used by Prometheus?
 - Time Series Database

3-what is the difference between different metrics types (counter , gauge , histogram)

Counter: how many times the event happened Gauge: the current value of the event Histogram: how long the event happened

4-install prometheus on your localhost or on server in any cloud provider

```
ubuntu@ip-172-31-42-109: ~
                                                                    ×
prometheus.service - Prometheus
     Loaded: loaded (/etc/systemd/system/prometheus.service; enabled; ven>
     Active: active (running) since Sat 2023-02-18 00:46:21 UTC; 37min ago
   Main PID: 29532 (prometheus)
      Tasks: 8 (limit: 1143)
     Memory: 47.8M
        CPU: 3.312s
     CGroup: /system.slice/prometheus.service
             -29532 /usr/local/bin/prometheus --config.file /etc/prometh
Feb 18 00:46:24 ip-172-31-42-109 prometheus[29532]: ts=2023-02-18T00:46:2>
Feb 18 01:00:10 ip-172-31-42-109 prometheus[29532]: ts=2023-02-18T01:00:1>
lines 1-20/20 (END)
```



5-add any new target to prometheus.yaml file and apply any query on it using promql langauge

