

# Script For Sanaf

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Assalam walekum Everyone.

Aas humlog mongo db padhne vale hai, ~~so~~ usse pehle hamare Thade Basic concepts clear krlete hain. yaha pe Aisa

Koi nahi Jo social network use nahi krta like

Fb, instagram or Anyother yaha pe Aisa Bhi Koi Nahi hoga, jisne Abtak internet nahi use kia hoga.

~~humlog~~ Lets consider Example humlog instagram use krte hain Kabhi Tum logo ne socha humlog Jo photos upload krte hain comments likhte hai Apni aur Logo ki images par woh sab data save kaha hota hain. Maine mere phone se kuch images upload ki instagram par, phir mai dunia mai kahi se bhi apni id par login krta hu woh login hota hain. & muje us device se Apne images & comments sab kuch dikhta hai, Tumne kabhi socha yeh sab save kaha hota hai. The Answer is database- Jab Bhi hum login krte woh database mai check krta Aisa koi

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user exist Krta hai ya nahi  
Agar exist Krta hai Toh  
phir usko Page Bhejta  
hai Jo Bhi Page hoga uspe.  
& hamare images/Posts par Jo  
Bhi comments hote hai  
Woh sb database se Fetch  
Krke dikhata hai. Toh  
Aise hi ek database  
hai MySQL Jo database  
hai data store Krne ke  
Lie. ~~Agar Tum logane college~~  
~~ka ERP use krta hoga~~  
Apna Jo college ke ERP ka  
website tha, woh Bhi  
MySQL use Krta tha  
data storage ke Lie.  
Bade Bade Applications &  
Company use MySQL for  
data storage. Toh Jo MySQL  
tha usmai data store hota  
tha Tables mai. Tables  
banke they rows & columns  
se

Example of Table

with Real Life Application

For Example signup on ~~ERP website~~  
ERP website, Toh Table Aisa Kch  
hoga

	username	password	class
row	xyz	123	SECO
row	abc	456	TECO

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MySQL mai Jo Table hota hai, usko  
schema bolte hain. ~~Ande Sai~~  
MySQL ke Andar hum structured  
data store krte hain

mtlb in simple terms muje  
pata hai mera data kya  
kya hone vala hai  
jaise muje pata tha

user ke lie username, password  
class hoga, ERP main so  
mai ~~ERP~~ hai user ke lie  
sirf wahi data store krke  
rakh sakta hoon. Agar  
muje koi aur data save  
krna hai, toh woh mai  
save nahi kr sakta. Agar  
muje save krna hoga, toh  
muje apne table ka  
schema change krna  
hoga, yaani new columns  
add krne honge. & This  
is not feasible. Kyunki

Agar merke live site par  
10,000 users ka data hai &  
still increasing. & Arise

Team par mai schema  
mai changes krta  
hu, toh it will give  
some performance issues  
~~so, yeh problem n~~

yeh bht. choti problem  
hai which is also solved  
in MongoDB, but MongoDB

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Jisme use hota hai uski Aur  
Bht vajah hai. Abhum uski  
samaste haiin. Jaise Jaise  
internet ke users Badhte  
Gaye internet par data  
Badhte Gaya aur ek Tym  
Aisa Aaya ki hume unstructured  
data mil Gya. Ab unstructured  
data ka mtlb samaste  
hai kuch real Life  
Examples se.  
Let's Consider wikipedia  
For Example

Ab wikipedia mai dunia ke  
has Bade Bade insaan ka  
data hai some are scientists  
some are engineer some are  
Actor, some are musician  
some are writers  
like this everyone's role is  
differs so sbki properties  
Alag hogi

Jaise For musician uska  
naam, uske Albums  
use superhits etc  
For engineer, uska naam,  
uske papers published, uske  
research, uske invention etc

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~~For engine engneer~~

For ~~eng~~ doctor / kaise  
hospital mai work karta  
hai no of patients cured  
kisi Aisi bimari ka  
ILAJ nikalna, which is  
undiscovered.

Is Tarah ~~has~~ has User ka  
data Alag Alag hai  
hame yeh nahi pata  
ki kis User ka data  
kya ho sakta hai  
It is not at all fixed, it is  
dynamic in nature.

Ab Aisa data MySQL mai  
store nahi hoga so hame  
kuch Naya Tarika  
dundna hoga, dunya  
mai jitni bhi Technology  
ka invention hua hai  
, woh dwe to problem  
hva.

Problem is Necessity of invention  
Ab, yeh unstructure data vali  
problem mangao solve  
karta hain. Ab kaise  
karta hai, woh samajhte  
hai.



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Mongo DB uses concepts of document

Ab document ka ek structure syntax hota hai

```
{ ← start  
  Key: value  
  Key: value  
} ← end
```

Ab Jo maine syntax likha hai uska mtlb samjata hoon  
mujhe ek user ka data save krne ke ek document banana padta hai, Ab woh example se samjata hoon

```
{ ← start of document  
  name: "Suleman"  
  occupation: "engineer"  
  research: "~~~~~"  
  invention: "~~~~~"  
} ← end of document
```

Yeh value hai ek user ki Jo mai save kia hu  
documents are dynamic in nature Also called as Schemaless

Schema ka mtlb tha Jo table ka design hai jnhi data save kr sakte hai

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But yaha par koi schema nahi hai. islie mai har Alag Alag user ke lie Alag Alag values save kr sakta hai.

i.e data of multiple users

data of user 1

```
{  
  name: "engineer"  
  Technology: "android"  
  role: "developer"  
}
```

data of other user

```
{  
  name: "doctor"  
  no. of patients cured: 50  
  cure for diseases: 5  
}
```

yeh data Alag Alag Type ke user hai ek doctor ke engineer / & sb user mai Alag Alag properties hain so yeh unstructured data ho gya coz har user ka data Alag As there is no standard format of saving data ko yeh nahi bata sakta ki kis user ka data kya hoga.

8 yahi hai schema less database  
storage jisko No-SQL  
Bhi Bolte hain islie  
MongoDB is No-SQL database  
as it follows concept of  
No-SQL.

~~Ab MongoDB ke kuch aur~~  
~~bhi advantages~~  
~~hai~~

~~Ab ek user ke data ko~~  
~~collection kehte~~  
Ab ek user ke data ko  
document kehte hai  
isi tarah hrt saare  
user ka documents  
milake collection bnta  
hain so we can say  
collection is ~~groups~~  
Group / collection of documents

~~Mongo DB ke kuch aur~~

Explain Another Example  
of Electric  
Department

↓  
Will Think About It



phir uske Baad, bolo  
Mango DBKE kuch  
aur O Bhi Features  
Advantage hai Jism  
Aage Aage Padhege  
Jaise Jaise hamara  
level of understanding Badte  
Jayega, Tab woh  
chize aur Acche se  
Sam Jega hame islie

So, sbse pehle Abhum  
Installation Kote hai  
Mango DBKa

Phir Some Commands  
of Installation