create database healthycare;

use healthycare;

select \* from healthy

describe healthy;

alter table healthy modify column Discharge\_Date date;

update healthy set Discharge\_Date = str\_to\_date(Discharge\_Date, '%m/%d/%Y')

-- count how many columns in the dataset

select count(\*) as Total\_Rows from healthy

-- calculate total Billing Amount

select round(sum(Billing\_Amount),2) as Total from healthy

-- count gender

select Gender , count(\*) as All\_gender from healthy

group by 1

-- calcule date

select DATEDIFF(Discharge\_Date, Date\_of\_Admission) as Many\_day from healthy

-- doctor medication

select Doctor, Medication from healthy

order by 2

-- Billing Amount name gender

select Billing\_Amount, Name, Gender from healthy

where Billing\_Amount >1000

order by 1 desc

-- max billing amount with insurance

select

max(Billing\_Amount) as MAX\_Price,

Insurance\_Provider

from healthy

group by 2

-- doctor working with hospital

select Doctor, Hospital from healthy

order by 1

-- admission type Billing insurance provider hospital doctor,Room

select Admission\_Type, Billing\_Amount as Price ,

Insurance\_Provider, Hospital,Room\_Number , Doctor

from healthy

where Admission\_Type ='Emergency' and Billing\_Amount >0

order by Price desc

-- admission type Billing insurance provider hospital doctor,Room

select Admission\_Type, Billing\_Amount as Price ,

Insurance\_Provider, Hospital,Room\_Number , Doctor

from healthy

where Admission\_Type ='Urgent' and Billing\_Amount < 0

order by Price desc

-- count age

select Age, count(\*) from healthy

group by 1

-- count year by date of admission

select Year(Date\_of\_Admission) as Year\_Admission, count(\*) from healthy

group by 1

select \* from healthy

--

select

year(Date\_of\_Admission) as year\_Admission,

Medical\_Condition,

Hospital, Room\_Number, Insurance\_Provider,Admission\_Type

from healthy

order by 1 desc

-- Count room

select Room\_Number, count(\*) as Many\_Room from healthy

group by 1

order by 1 desc

--

select Room\_Number, Hospital from healthy

order by 2 desc

--

SELECT DATEDIFF(Discharge\_Date,Date\_of\_Admission), count(\*),

round(sum(Billing\_Amount),2) As Price

from healthy

group by 1

order by 1 desc

--

select ROUND(sum(Billing\_Amount),2) as Total\_Price

from healthy

where Billing\_Amount<0

--

select Admission\_Type,count(\*), sum(Billing\_Amount) from healthy

where Billing\_Amount > 0

group by 1

--

select Admission\_Type , sum(Billing\_Amount) as Price, Insurance\_Provider

from healthy

where Admission\_Type ='Emergency' and Insurance\_Provider='Blue Cross'