**Q1.Solution:**

SELECT auditor, count(\*) \* 100.0/ sum(count(\*)) over () as MarketShare\_Funds, sum(assets)/count(\*) as MarketShare\_Assets

from market\_aug2021

group by auditor;`

SELECT auditor, count(\*) \* 100.0/ sum(count(\*)) over () as MarketShare\_Funds, sum(assets)/count(\*) as MarketShare\_Assets

from market\_aug2018

group by auditor;

**Q2. Solution:**

/\*3 gainers of 2021\*/

(SELECT auditor, count(\*) \* 100.0/ sum(count(\*)) over () as MarketShare\_Funds, sum(assets)/count(\*) as MarketShare\_Assets

from data2021

group by auditor

order by MarketShare\_Funds desc

limit 3)

**union**

/\*3 losers of 2021\*/

(SELECT auditor, count(\*) \* 100.0/ sum(count(\*)) over () as MarketShare\_Funds, sum(assets)/count(\*) as MarketShare\_Assets

from data2021

group by auditor

order by MarketShare\_Funds

limit 3);

**Q3.**

**a. solution:**

**/\*NEWSEST funds exist in 2021 but not in 2018\*/**

select \* from data2021

where data2021.fundname in(

SELECT

DISTINCT (a.fundname)

FROM

data2021 as a,

data2018 as b

where b.fundname != a.fundname);

**b. solution:**

**/\* DROPPED Funds exist in 2018 but not in 2021\*/**

select \* from data2018

where data2018.fundname in(

SELECT

DISTINCT (b.fundname)

FROM

market\_aug2021 as a,

market\_aug2018 as b

where b.fundname != a.fundname);

**c. solution:**

select Market\_Aug2021.CRD, Market\_Aug2021.Adviser, Market\_Aug2021.FundID, Market\_Aug2021.FundName, **ABS(Market\_Aug2021.Assets - Market\_Aug2018.Assets) as ChangeinAssets** , Market\_Aug2021.Auditor from Market\_Aug2021, Market\_Aug2018

where Market\_Aug2021.FundName in(

SELECT

DISTINCT (a. FundName)

FROM

Market\_Aug2021 as a,

Market\_Aug2018 as b

where b. FundName = a. FundName);

**d. solution:**

select \* from Market\_Aug2021 as a

where exists

( select \* from Market\_Aug2018 as b

where a.FundName = b.FundName

and a.Auditor != b.Auditor);

**Q4**

* **Solution:**

select auditor, count(auditor) as NumberofUniqueClients from Market\_Aug2021

group by Auditor

having count(Auditor)>0 ;

* **Solution:**

select auditor, count(auditor) as NumberofUniqueClients from Market\_Aug2021

group by Auditor

having count(Auditor)>4;

**Q5.Solution:**

select distinct FundID, FundName, Assets

case

WHEN Assets < 100000000 THEN '0-$1Bn'

WHEN Assets>=100000000 and Assets < 200000000 THEN '>$1Bn-2Bn'

WHEN Assets >=200000000 and Assets < 300000000 THEN '>$2Bn-3Bn'

else '>3Bn'

end as AssetSizeBand

from Market\_Aug2021 ;

**Q6. Solution:**

select \* FROM Market\_Aug2021

where Assets>300000000

order by Assets desc;