

--1. Find a continent that has the highest number of companies

SOLUTION:

```
SELECT continent, COUNT(company) AS Total_Company
FROM forbes_global_2010_2014
GROUP BY continent
ORDER BY Total_Company DESC
LIMIT 1;
```

OUTPUT:

continent	Total_Company
North America	40

--2. Count the number of companies in the IT sector in each country

SOLUTION:

```
SELECT country, COUNT(company) AS Total_IT_Company
FROM forbes_global_2010_2014
WHERE sector='Information Technology'
GROUP BY country
ORDER BY Total_IT_Company DESC;
```

OUTPUT:

country	Total_IT_Company
United States	8

--3. Find the average profit for major banks

SOLUTION:

```
SELECT AVG(profits)
FROM forbes_global_2010_2014
WHERE industry='Major Banks'
GROUP BY industry;
```

OUTPUT:

AVG(profits)
11.9

```
Forbes

--4.Find the most profitable company in the financial sector of the entire world along with its continent
SOLUTION:
SELECT company, continent
FROM forbes_global_2010_2014
WHERE sector='Financials'
ORDER BY profits DESC
LIMIT 1;

OUTPUT:
company      continent
ICBC         Asia

--5.Highest Market Value For Each Sector
SOLUTION:
SELECT sector, MAX(marketvalue) AS Highest_marketvalue
FROM forbes_global_2010_2014
GROUP BY sector
ORDER BY Highest_marketvalue DESC;;

OUTPUT:
sector                      Highest_marketvalue
Information Technology      483.1
Energy                      422.3
Financials                  309.1
Health Care                 277
Industrials                 259.6
Consumer Discretionary      247.9
Consumer Staples            239.6
Telecommunication Services  197.7
Materials                   182.3
Utilities                   75.8

--6.Count the number of companies in the IT sector in each country
SOLUTION:
SELECT country,COUNT(company) AS Total_IT_Company
FROM forbes_global_2010_2014
WHERE sector='Information Technology'
GROUP BY country
ORDER BY Total_IT_Company DESC;

OUTPUT:
country      Total_IT_Company
United States 8
South Korea  1
```

```
Forbes

--7. Find the industry which has the lowest average sales compared to all industries
SOLUTION:
SELECT industry, AVG(sales) AS Average_Sales
FROM forbes_global_2010_2014
GROUP BY industry
ORDER BY Average_Sales ASC
LIMIT 1;

OUTPUT:
Industry                Average_Sales
Communications Equipment  47.9

--8. Find the profit to sales ratio of Royal Dutch Shell
SOLUTION:
SELECT (profits/sales) AS Profit_Sales_Ratio
FROM forbes_global_2010_2014
WHERE company='Royal Dutch Shell';

OUTPUT:
Profit_Sales_Ratio
0.036

--9. Find industries that make a profit
SOLUTION:
SELECT industry,SUM(profits) AS Total_Profit
FROM forbes_global_2010_2014
GROUP BY industry
ORDER BY Total_Profit DESC;

OUTPUT:
industry                Total_Profit
Major Banks              249.9
Oil & Gas Operations      230.6
Telecommunications services 98.9
Regional Banks           78.2
Auto & Truck Manufacturers 72.2
Pharmaceuticals          52.5
Computer Hardware        42.3
Diversified Insurance     39.5
Semiconductors           36.8
Software & Programming    33.9
Investment Services       30.9
Beverages                29.7
Computer Services         28.7
Conglomerates            26.5
```



--10. Find the most popular sector in the Forbes list

SOLUTION:

```
SELECT sector, COUNT(company) AS No_company
FROM forbes_global_2010_2014
GROUP BY sector
ORDER BY No_company DESC
LIMIT 1;
```

OUTPUT:

```
sector    Most_Popular_Country
Financials 37
```

--11. Find industries with the highest number of companies

SOLUTION:

```
SELECT industry, COUNT(company)
FROM forbes_global_2010_2014
GROUP BY industry
ORDER BY COUNT(company) DESC
LIMIT 5;
```

OUTPUT:

```
industry    COUNT(company)
Major Banks  21
Oil & Gas Operations  14
Auto & Truck Manufacturers  8
Telecommunications services  7
Diversified Insurance  7
```

--12. Find the average profit for major banks

SOLUTION:

```
SELECT AVG(profits)
FROM forbes_global_2010_2014
WHERE industry='Major Banks'
GROUP BY industry;
```

OUTPUT:

```
AVG(profits)
11.9
```

--13. Find industries with the highest market value in Asia

SOLUTION:

```
SELECT industry, SUM(marketvalue) AS Highest_Marketvalue
FROM forbes_global_2010_2014
WHERE continent='Asia'
GROUP BY industry
ORDER BY Highest_Marketvalue LIMIT 1;
```

OUTPUT:

```
industry    Highest_Marketvalue
Diversified Insurance  66.1
```



--14. Find the total market value for the financial sector
SOLUTION:

```
SELECT SUM(marketvalue) AS Total_Marketvalue
FROM forbes_global_2010_2014
WHERE sector='Financials'
GROUP BY sector;
```

OUTPUT:

```
Total_Marketvalue
3940.7
```

--15. Find the number of USA companies that are on the list
SOLUTION:

```
SELECT COUNT(company) AS Total_Companies_In_US
FROM forbes_global_2010_2014
WHERE country='United States';
```

OUTPUT:

```
Total_Companies_In_US
37
```

--16. Find the total assets of the energy sector
SOLUTION:

```
SELECT sector, SUM(assets) AS Total_Assets
FROM forbes_global_2010_2014
WHERE sector='Energy'
GROUP BY sector;
```

OUTPUT:

```
sector  Total_Assets
Energy  3624.1
```