IceCream SALES SQL QUERIES

A. KPI-

1. Total Revenue-

Select Round(sum(price)) As Total_Revenue from Icecream_sales

	total_revenue double precision
1	2024

2. Average Price per Order-

Select cast(avg(price) AS DECIMAL(10,2)) as Average_price_per_order from Icecream_sales

	average_price_per_order numeric (10,2)
1	16.86

3. Total IceCream Sold-

Select sum(quantity) As Total_IceCream_Sold from Icecream_sales

	total_icecream_sold bigint
1	121

4. Total Weight of Orders-

Select sum(weight) as Total_Weight_of_Orders from Icecream_sales

	total_weight_of_orders double precision
1	154

B. Chart Requirement-

1. **Sales by Region-**

```
SELECT
   Region,
   SUM(quantity * Price) AS Total_Sales,
   CAST((SUM(quantity * Price) / (SELECT SUM(quantity * Price) FROM Icecream_sales) *
100) AS DECIMAL(10,2)) AS Percent_Sales
FROM
   Icecream_sales
GROUP BY
   Region;
```

	region character varying (50)	total_sales double precision	percent_sales numeric (10,2)
1	South	447.7	21.78
2	West	256.75	12.49
3	North	399.25	19.42
4	East	494.65	24.06
5	Northeast	457.25	22.24

2. **Product Performance by Flavor types-**

```
SELECT Flavors_Types, SUM(quantity) AS QuantityByFlavorType
FROM Icecream_sales
GROUP BY Flavors_Types;
```

	flavors_types character varying (100)	quantitybyflavortype bigint
1	Nutty Flavors	8
2	Hybrid / Novelty Flavors	8
3	Fruity Flavors	13
4	Candy-Inspired Flavors	7
5	Cheesecake-Based Flavors	6
6	Seasonal & Festive Flavors	7

3. **Monthly Trend for Total Orders-**

```
Select TO_CHAR(order_date, 'Month') As order_Month, count(distinct(order_id)) As
Total_orders
from Icecream_sales
group by TO_CHAR(order_date, 'Month')
order by total_orders desc
```

	order_month text	total_orders bigint
1	June	16
2	August	12
3	May	8
4	January	6
5	December	5
6	April	4

4. Daily Trend for Total Orders-

```
Select TO_CHAR(order_date, 'Day') As order_Day, count(distinct(order_id)) As Total_orders
from Icecream_sales
group by TO_CHAR(order_date, 'Day')
```

	order_day text	total_orders bigint
1	Friday	1
2	Monday	17
3	Saturday	5
4	Sunday	1
5	Thursday	28
6	Tuesday	2
7	Wednesday	1

5. Top 5 sales by city-

```
Select sum(price * quantity) As Total_Sales, city from Icecream_sales
group by city
order by 1 desc
limit 5
```

	total_sales double precision	city character varying (50)
1	159.7	Shillong
2	119.5	Guwahati
3	118.5	Imphal
4	112.75	Agra
5	105.75	Bhubaneswar

6. Bottom 5 sales by city-

Select sum(price * quantity) As Total_Sales, city from Icecream_sales
group by city
order by 1 Asc
limit 5

	total_sales double precision	city character varying (50)
1	12.5	Surat
2	13.25	New Delhi
3	14.75	Agartala
4	16.5	Visakhapatnam
5	17.5	Ahmedabad

7. Top 5 Best Flavors_Types by Total revenue-

Select Flavors_Types, sum(price) As Total_Revenue from Icecream_sales
group by Flavors_Types
order by 2 desc
limit 5

	flavors_types character varying (100)	total_revenue double precision
1	Fruity Flavors	197.5
2	Specialty Flavors	160.75
3	Classic Flavors	159
4	Dairy-Free / Vegan Flavors	147.5
5	Nutty Flavors	147.25

8. Bottom 5 Best Flavors_Types by Total revenue-

Select Flavors_Types, sum(price) As Total_Revenue from Icecream_sales
group by Flavors_Types
order by 2 ASC
limit 5

	flavors_types character varying (100)	total_revenue double precision
1	Cheesecake-Based Flavors	99.25
2	Caramel & Toffee Flavors	99.7
3	Alcohol-Infused Flavors	112.5
4	Swirl & Ribbon Flavors	114
5	Cookie and Biscuit-Inspired Flavors	119.7

9. Percentage of sales by Flavors Types for particular month-

```
Select Flavors_Types, CAST((sum(price)/(Select sum(price)from Icecream_sales
where EXTRACT(MONTH FROM Order_date)=1))*100 As DECIMAL(10,2)) As
sales_percentage
from Icecream_sales
where EXTRACT(MONTH FROM Order_date)=1
group by Flavors_Types
```

	flavors_types character varying (100)	sales_percentage numeric (10,2)
1	Candy-Inspired Flavors	39.31
2	Classic Flavors	60.69