Assignment - SQL

1. Write a query to create a new column to specify the type of customer based on their transaction value.

Use Customer Purchases table
Note : (Transaction value is Cost to customer * quantity)
If the total amount spent is > 15 - Prime customer
If the total amount spent is < 10 - Non-Prime customer

2. Write a query to segregate all the booths with the below condition
If the booth description contains left - “Left Booth”
If the booth description contains right - “Right Booth”
If none of the above then - “Neutral Booth”

3. Get the purchases details of all the customers done on Wednesday’s in descending order of the market date.

4. Get the purchase details of all the customers when the temperature of the day was between 30 to 55. And display it in ascending order of the temperature.

5. Based on the employee's salary, divide the employees into three different classes.

1. Salary greater than 20,000 (i.e, excluding 20,000) as 'Class A'
2. Salary between 10,000 to 20,000 (i.e, including both 10,000 and 20,000) as 'Class B'
3. Salary less than 10,000 (i.e, excluding 10,000) as 'Class C'. Return the new column as 'Salary_bin'.

- Return the columns 'employee_id', 'salary', and 'Salary_bin'.
- Return the result ordered by employee_id in ascending order.

Sample Input:

Table: employees

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	25000	NULL	NULL	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1989-09-21	AD_VP	17000	NULL	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1993-01-13	AD_VP	17000	NULL	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1990-01-03	IT_PROG	9000	NULL	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1991-05-21	IT_PROG	6000	NULL	103	60
105	David	Austin	DAUSTIN	590.423.4569	1997-06-25	IT_PROG	4800	NULL	103	60

Sample Output:

employee_id	salary	Salary_bin
100	25000	Class A
101	17000	Class B
102	17000	Class B
103	9000	Class C
104	6000	Class C
105	4800	Class C

SQL QUERY :-

```
select employee_id,salary,
case
  when salary > 20000 then'Class A'
  when salary >= 10000 and salary <= 20000 then 'Class B'
  else 'Class C'
end as Salary_bin
from employees
order by employee_id asc;
```