Homework 02

Following table is the table name customers which has the information of the elite customers of Amazon.

c_id	name	email	credit_points	start_date	c_factor
101	melena	melena@gmail.com	1250	2021-04-04	14
102	hello	hello@yahoo.com	5231	**2020-05-04**	16
103	data	data@bubble.com	6892	**2019-12-04**	23
104	alen	alen@outlook.com	1275	2021-05-09	2
105	barry	barry@yahoo.com	7848	2021-04-10	8
106	helen	helen@gmail.com	9820	**2019-02-28**	45
107	elena	elena@gmail.com	9580	**2018-01-03**	2
108	messi	messi@yahoo.com	3721	**2017-02-02**	23
109	jimmi	jimmi@gmail.com	8593	**2012–01-15**	3
110	shelly	shelly@yahoo.com	8640	**2012-02-17**	5

1. Show the c_id, email and start_date of the customer with credit points greater than 5000. Answer: SELECT c_id, email, start_date from hw_2 where credit_points>5000;
2. Find all the unique c_factor in the table and show them in descending order. Answer: SELECT distinct c_factor from hw_2 order by c_factor desc;
3. Find the c_id where c_factors are odd. Answer: SELECT c_id from hw_2 where c_factor%2!=0;
4. Find the average length of all the available names. Answer: SELECT AVG(length(name)) from hw_2;
5. Find the c_id, email and start_date of customers who became members of Amazon from 2018 to 2020. Answer: SELECT c_id, email, start_date from hw_2 where start_date between '2018-01-01' and '2020-12-31';
6. Show the email and credit_points of the latest 6 members. Answer: SELECT email, credit_points from hw_2 order by start_date desc limit 6;
7. Find all the c_id and email where the domain name is yahoo.com. Answer: SELECT c_id, email from hw_2 where email like '%@yahoo.com';
8. Find the c_id and email of those members whose credit_points is within the range of 6000 to 9000 and who has become a member of Amazon after June of 2018. Answer: SELECT c_id, email from hw_2 where credit_points between 6000 and 9000 and start_date>'2018-06-30';
9. Retrieve the c_id, email and credit_points from the table of those customers who have 'a, e, l' in

their name. Answer: SELECT

10. Find the highest credit_point for each c_factor that is greater than 10. Answer: SELECT c_factor, MAX(credit_points) from hw_2 where c_factor>10 group by c_factor;
11. Count the number of customers in each c_factor who has joined after 2019. Answer: SELECT c_factor, COUNT(*) from hw_2 where start_date>'2019-12-31' group by c_factor;
12. Find the average of the credit_points but only consider the customers who joined before June 2020. Answer: SELECT AVG(credit_points) from hw_2 where start_date<'2020-06-01';