**Bahria University, Lahore Campus**

Department of Computer Sciences

Lab Journal 11

**(Fall 2023)**

|  |  |  |
| --- | --- | --- |
| Course: | **Database Management System Lab** |  |
| Course Code: | CSL 220 | Max Marks: 40 |
| Faculty’s Name: |  | Lab Engineer: |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enroll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Task 1**

List products with order quantities greater than 100. 

**Task 2**

List all customers with their total number of orders 

**Task 3**

Which products were sold by the unit (i.e. quantity = 1)

**Task 4**

List customers who placed orders that are larger than the average of each customer order

**Lab Grading Sheet**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Max Marks** | **Obtained Marks** | **Comments(*if any*)** |
| 1. | 10 |  |  |
| 2. | 10 |  |  |
| 3. | 10 |  |  |
| 4. | 10 |  |  |
| **Total** | **40** |  | **Signature** |

**Note : Attempt all tasks and get them checked by your Lab Instructor**

create database SUB\_QUERY

**1-Create table Customer1**

(id int primary key ,

first\_name varchar (15),

last\_name varchar (15),

city varchar (15),

country varchar (15),

phone int);

**2-Create table orders**

(order\_id int primary key ,

order\_date int,

order\_number int ,

id int foreign key references Customer1,

total\_amount int);

**3-create table Product**

(product\_id int primary key ,

product\_name varchar(10),

supplier\_id int ,

unit\_price int,

package varchar(25),

IsDiscounted int

);

**4- create table orderitem**

(orderitem\_id int primary key ,

order\_id int foreign key references orders,

product\_id int foreign key references Product,

unit\_price int,

quantity int );