2022



**BSc (Hons) in Information Technology – Year 2**

**Lab Sheet 03**

# IE2042 – Database Management Systems for Security Semester 1, 2021

**Activity 01**

Implement the following relational schema for a super market in SQL Server and insert the given data.



Product (prodId, prodName, qty, unitPrice, ROL, supplier)

Customer (custId, custName, address, phone, loyalityPoints)

Staff (staffId , staffName, phone)

Sales (pid, cid, sid, salesDate)

Supplier (supId, contactName, phone, address)

Rules- Quantity of a product is always greater than zero

Default date of a sale is the system date

Product Sales

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ProdId | prodName | qty | unitPrice | ROL | Supplier |
| P0001 | Lemon Puff | 22 | 85 | 20 | 1 |
| P0201 | Knor Soup | 8 | 100 | 10 | 2 |
| P0084 | Lipton Ceylonta | 12 | 125 | 15 | 2 |
| P0222 | chocolate fingers | 14 | 50 | 8 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| pid | cid | sid | salesDate |
| P0201 | C100 | S001 | 13/11/2015 |
| P0222 | C101 | S002 | 22/11/2015 |
| P0084 | C100 | S001 | 01/12/2015 |
| P0201 | C100 | S002 | 08/12/2015 |

Staff Customer

|  |  |  |
| --- | --- | --- |
| *staffId* | *name* | *phone* |
| *S001* | *Kamal Silva* | *0718123456* |
| *S002* | *Amila Namal* | *0714222222* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| custId | custName | address | phone | Points |
| C100 | Ravi Perera | Colombo | 0112123456 | 1200 |
| C101 | Nimali Alwis | Gampaha | 0332212345 | 275 |

Supplier

|  |  |  |  |
| --- | --- | --- | --- |
| supId | contactName | address | phone |
| 1 | Amal Ranjith | Ratmalana | 0112111111 |
| 2 | Nadeeka Perera | Borella | 0114555666 |

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