**Table Creation**

The following Create Table statements will be in context of tables and their attributes that allow for the organization and management of customers, bookings, employees, orders, products, suppliers, as well as employee roles within the establishment, Konka. The relationships between the tables enable data integrity and provide a foundation for querying and analyzing the data effectively. The primary and foreign keys will receive the Number data type as the maximum field size to be indicated using brackets. Any deviations from these standards are then discussed in detailed in the respective sections below.

**CUSTOMER Table:**

This table would essentially store information about the customers. It consists of the following attributes:

The Customer\_ID attribute serves as the primary key of the table and is used to uniquely identify each customer within the database. This attribute can only accommodate up to 4 digits. The Cust\_Fname attribute represents the first name of the customer. The Cust\_Lname attribute represents the last name of the customer. Cust\_Num stores the contact number of the customer. The Cust\_Email attribute stores the email address of the customer.

**BOOKINGS Table:**

This table stores information about bookings made by customers. It includes the following attributes:

The Bookings\_ID attribute serves as the primary key of the table and is used to uniquely identify each booking made by the customer. The Customer\_ID attribute is a foreign key referencing the Customer\_ID in the CUSTOMER table, establishing a relationship between a booking and the corresponding customer. Emp\_ID is also a foreign key referencing the Emp\_ID in the EMPLOYEE table, establishing a relationship between a booking and the employee assigned to it. Table\_Num represents the table number associated with the booking. The Booking\_Date attribute stores the date of the booking that has been made. Booking\_Time attribute stores the timestamp of the booking, capturing the date and time of the booking.

**EMPLOYEE Table:**

This table stores information about employees working at Konka. It includes the following attributes:

The Emp\_ID attribute serves as the primary key of the table and is used to uniquely identify each employee working at the establishment. Emp\_Fname represents the first name of the employee. The Emp\_Lname attribute represents the last name of the employee. Emp\_Email stores the email address of the employee. The Emp\_Num attribute stores the contact number of the employee which can take up 10 characters. The Emp\_Address attribute represents the address of the employee. Emp\_Type specifies the type or role of the employee, such as chef, manager, waiter, security, bartender, or hostess within the establishment.

**CUSTOMER ORDER Table**:

This table stores information about customer orders that are taken at the establishment. It includes the following attributes:

The Customer\_ID attribute serves as both the primary key and a foreign key referencing the Customer\_ID in the CUSTOMER table, establishing a relationship between an order and the corresponding customer. Product\_ID serves as both the primary key and a foreign key referencing the Product\_ID in the PRODUCT table, establishing a relationship between an order and the ordered product. The Quantity attribute stores the quantity of the product ordered at the establishment. Order\_Cost stores the total cost of the order.

**PRODUCT Table:**

This table stores information about products available for purchase. It includes the following attributes:

The Product\_ID attribute serves as the primary key of the table and is used to uniquely identify each product available to be purchased at Konka. Prod\_Name represents the name of the product. The Prod\_Desc attribute provides a description of the product. Prod\_Price attribute stores the price of the product.

**SUPPLIER Table:**

This table stores information about product suppliers. It includes the following attributes

The Supplier\_ID attribute serves as the primary key of the table and is used to uniquely identify each supplier for the establishment. Supplier\_Name represents the name of the respective supplier. The Supplier\_Email attribute stores the email address of the supplier. Supplier\_Num stores the contact number of the supplier.

**PRODUCT SUPPLIED Table:**

This table represents the relationship between products and suppliers, as it stores information about which products are supplied by which suppliers. It includes the following attributes:

The Product\_ID attribute serves as both the primary key and a foreign key referencing the Product\_ID in the PRODUCT table, establishing a relationship between a product and the supplier supplying it. Supplier\_ID serves as both the primary key and a foreign key referencing the Supplier\_ID in the SUPPLIER table, establishing a relationship between a supplier and the supplied product. The Quantity attribute stores the quantity of the product supplied by the supplier. Prod\_Cost stores the cost of the product supplied by the supplier.

**CHEF, MANAGER, WAITER, SECURITY, BARTENDER, HOSTESS Tables:**

These tables represent different roles within Konka, each with its own specific attributes. The tables have the following attributes in common:

The Emp\_ID attribute serves as both the primary key and a foreign key referencing the Emp\_ID in the EMPLOYEE table, establishing a relationship between an employee and their role. Salary\_Amt attribute stores the salary amount for employees in their respective roles. The Num\_Hours\_Worked attribute stores the number of hours worked by employees in their respective roles.

These tables represent specific employee roles within the establishment. Each table captures role-specific information while maintaining a relationship with the EMPLOYEE table through the Emp\_ID foreign key.