-- Account information table:

-- Description: This table contains basic details of the customers

CREATE TABLE `acc\_info` (

`acc\_no` bigint NOT NULL,

`user\_name` varchar(45) NOT NULL,

`address` varchar(100) NOT NULL,

`aadhar\_no` bigint NOT NULL,

`mobile\_no` bigint NOT NULL,

`acc\_pwd` varchar(45) NOT NULL,

`acc\_balance` decimal(9,2) NOT NULL,

PRIMARY KEY (`user\_name`),

UNIQUE KEY `acc\_no\_UNIQUE` (`acc\_no`),

UNIQUE KEY `aadhar\_no\_UNIQUE` (`aadhar\_no`),

UNIQUE KEY `mobile\_no\_UNIQUE` (`mobile\_no`),

UNIQUE KEY `acc\_pwd\_UNIQUE` (`acc\_pwd`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

-- Beneficiary table:

-- Description: This table contains the beneficiary details.

CREATE TABLE `Benf` (

`user\_name` varchar(45) NOT NULL,

`benf\_name` varchar(45) NOT NULL,

`benf\_acc\_no` bigint DEFAULT NULL,

`Benf\_ifsc` varchar(45) NOT NULL,

KEY `fk\_Benf\_1\_idx` (`user\_name`),

CONSTRAINT `fk\_user\_name` FOREIGN KEY (`user\_name`) REFERENCES `acc\_info` (`user\_name`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

-- Card table:

-- Description: This table contains the card details of the customers.

CREATE TABLE `card` (

`user\_name` varchar(45) NOT NULL,

`card\_no` bigint NOT NULL,

`card\_type` varchar(45) NOT NULL,

`pin` int NOT NULL,

`cvv` int NOT NULL,

UNIQUE KEY `card\_no\_UNIQUE` (`card\_no`),

UNIQUE KEY `pin\_UNIQUE` (`pin`),

UNIQUE KEY `cvv\_UNIQUE` (`cvv`),

KEY `fk\_user\_name\_idx` (`user\_name`),

CONSTRAINT `fk\_user\_name\_card` FOREIGN KEY (`user\_name`) REFERENCES `acc\_info` (`user\_name`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

-- Transaction table:

-- Description: This table contains the transaction details of the customers.

CREATE TABLE `transaction` (

`idtransaction` int NOT NULL AUTO\_INCREMENT,

`sender\_acc\_no` bigint NOT NULL,

`benf\_acc\_no` bigint NOT NULL,

`amount` decimal(10,2) NOT NULL,

`tr\_timestamp` timestamp(6) NOT NULL DEFAULT CURRENT\_TIMESTAMP(6),

PRIMARY KEY (`idtransaction`)

) ENGINE=InnoDB AUTO\_INCREMENT=2 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

-- Bank IFSC table:

-- Description: Contains the list of IFSC codes for validation.

CREATE TABLE `BankIFSC` (

`IFSC\_Code` varchar(25) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci