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1  #----- ASSIGNMENT 1
2      #----- SVEN AMBROSE
3      #----- MARCH 20TH, 2020
4
5
6  #----- CREATE DATABASE
7      CREATE DATABASE Ticket;
8      USER;
9      GO
10
11      --Drop Database if Exist
12  #--create new database
13      DROP DATABASE IF EXISTS SpeedTicket;
14      CREATE DATABASE SpeedTicket;
15      GO
16
17
18      --Drop Table if Exist
19  #--Create Table Comment
20      DROP TABLE IF EXISTS Comment
21      CREATE TABLE Hardware
22      (
23          HardwareID          INT          NOT NULL,
24          Hardware_Make       NVARCHAR(32) NOT NULL,
25          Hardware_Model      NVARCHAR(32) NOT NULL,
26          Hardware_Description NVARCHAR(255) NOT NULL,
27          Serial_Key          NVARCHAR(32) NOT NULL,
28          Hardware_Warranty   NVARCHAR(255) NOT NULL,
29          PRIMARY KEY (HardwareID)
30      );
31      GO
32
33      --Drop Table if Exist
34  #--Create Table Staff
35      DROP TABLE IF EXISTS Staff;
36      CREATE TABLE Staff
37      (
38          StaffID    INT          NOT NULL,
39          LastName   NVARCHAR(32) NOT NULL,
40          FirstName  NVARCHAR(32) NOT NULL,
41          Phone      NVARCHAR(32) NOT NULL,
42          Email      NVARCHAR(32) NOT NULL,
43          Address    NVARCHAR(32) NOT NULL,
44          PRIMARY KEY (StaffID)
45
46      );

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47      GO
48
49      -- Drop Table if Exist
50 -- Create Table TicketType
51      DROP TABLE IF EXISTS TicketType;
52      CREATE TABLE TicketType
53      (
54         TypeID          INT          NOT NULL,
55          Ticket_Information NVARCHAR(255) NOT NULL,
56          PRIMARY KEY (TypeID)
57
58      );
59      GO
60
61      -- Drop Table if Exist
62  #--Create Table Ticket
63      DROP TABLE IF EXISTS Ticket;
64      CREATE TABLE Ticket
65      (
66          TicketID          INT          NOT NULL,
67          Ticket_Date        DATE,
68          Ticket_Description NVARCHAR(255) NOT NULL,
69          Ticket_Category    NVARCHAR(32) NOT NULL,
70          Ticket_TypeID      INT          NULL,
71          Staff_ID           INT          NULL,
72          HardwareID         INT          NULL,
73          UserID             INT          NULL,
74          JobID              INT          NULL,
75          PRIMARY KEY (TicketID)
76      );
77      GO
78
79      --Drop Table if Exist
80  #--Create Table Status
81      DROP TABLE IF EXISTS Status;
82      CREATE TABLE Status
83      (
84          StatusID          INT          NOT NULL,
85          Status_Details    NVARCHAR(255) NOT NULL,
86          Status_Date       DATE          NOT NULL,
87          TicketID          INT          NULL,
88          Staff_ID          INT          NOT NULL,
89          UserID            INT          NULL,
90          PRIMARY KEY (StatusID)
91      );
92      GO

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93
94      --Drop Table if Exist
95  #--Create Table User
96      DROP TABLE IF EXISTS User;
97      CREATE TABLE User
98      (
99          UserID      INT                NOT NULL,
100         Last        NVARCHAR(32) NOT NULL,
101         First       NVARCHAR(32) NOT NULL,
102         Address     NVARCHAR(32) NOT NULL,
103         Phone       NVARCHAR(32) NOT NULL,
104         Email       NVARCHAR(32) NOT NULL,
105         UserName    NVARCHAR(32) NOT NULL,
106         Password    NVARCHAR(32) NOT NULL,
107         PRIMARY KEY (UserID)
108     );
109     GO
110
111     --Drop Table if Exist
112  #--Create Table Job
113     DROP TABLE IF EXISTS Job;
114     CREATE TABLE Job
115     (
116         JobID        INT                NOT NULL,
117         Job_Description NVARCHAR(255) NOT NULL,
118         Job_Number   NVARCHAR(32) NOT NULL,
119         JobDate      DATE                NOT NULL,
120         Staff_ID     INT                NULL,
121         TicketID     INT                NULL,
122     );
123     GO
124
125  #--Add Foreign Keys (FK)
126     ALTER TABLE Status
127         ADD CONSTRAINT FK_Status_TicketID
128             FOREIGN KEY (TicketID)
129                 REFERENCES Ticket (TicketID);
130     GO
131
132     ALTER TABLE Status
133         ADD CONSTRAINT FK_Status_StaffID
134             FOREIGN KEY (Staff_ID)
135                 REFERENCES Staff (Staff_ID);
136     GO
137
138     ALTER TABLE Status

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139          ADD CONSTRAINT FK_Status_UserID
140          FOREIGN KEY (UserID)
141          REFERENCES User (UserID);
142      GO
143
144      ALTER TABLE Ticket
145          ADD CONSTRAINT FK_Ticket_TicketTypeID
146          FOREIGN KEY (Ticket_TypeID)
147          REFERENCES TicketType (Ticket_TypeID);
148      GO
149
150      ALTER TABLE Ticket
151          ADD CONSTRAINT FK_Ticket_StaffID
152          FOREIGN KEY (Staff_ID)
153          REFERENCES Staff (Staff_ID);
154      GO
155
156      ALTER TABLE Ticket
157          ADD CONSTRAINT FK_Ticket_HardwareID
158          FOREIGN KEY (HardwareID)
159          REFERENCES Hardware (HardwareID);
160      GO
161
162      ALTER TABLE Ticket
163          ADD CONSTRAINT FK_Ticket_UserID
164          FOREIGN KEY (UserID)
165          REFERENCES User (UserID);
166      GO
167
168      ALTER TABLE Ticket
169          ADD CONSTRAINT FK_Ticket_JobID
170          FOREIGN KEY (JobID)
171          REFERENCES Job (JobID);
172      GO
173
174      ALTER TABLE Job
175          ADD CONSTRAINT FK_Job_StaffID
176          FOREIGN KEY (Staff_ID)
177          REFERENCES Staff (Staff_ID);
178      GO
179
180      ALTER TABLE Job
181          ADD CONSTRAINT FK_Job_TicketID
182          FOREIGN KEY (TicketID)
183          REFERENCES Ticket (TicketID);
184      GO
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185
186 -- All Constraints if they Exist
187     ALTER TABLE Job
188         DROP CONSTRAINT FK_Job_StaffID;
189     GO
190
191     ALTER TABLE Job
192         DROP FK_Job_TicketID;
193     GO
194
195     ALTER TABLE Ticket
196         DROP CONSTRAINT FK_Ticket_HardwareID;
197     GO
198
199     ALTER TABLE Ticket
200         DROP CONSTRAINT FK_Ticket_JobID;
201     GO
202
203     ALTER TABLE Ticket
204         DROP CONSTRAINT FK_Ticket_UserID;
205     GO
206
207     ALTER TABLE Ticket
208         DROP CONSTRAINT FK_Ticket_StaffID;
209     GO
210
211     ALTER TABLE Ticket
212         DROP CONSTRAINT FK_Ticket_TicketTypeID;
213     GO
214
215     ALTER TABLE Status
216         DROP CONSTRAINT FK_Status_TicketID;
217     GO
218
219     ALTER TABLE Status
220         DROP CONSTRAINT FK_Status_UserID;
221     GO
222
223     ALTER TABLE Status
224         DROP CONSTRAINT FK_Status_StaffID;
225     GO
226
227
228
229
230 #----- insert values
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231 INSERT INTO HARDWARE VALUES ('DK3443', 'Dell', 'Dell Xps
    13', 'Screen Repair', 'ses2233112', 'Warranty-3years');
232 INSERT INTO HARDWARE VALUES ('DK3399', 'Acer', 'Acer
    chromebook', 'Battery Malfunction', 'ac3322wced', 'Warranty-
    2years');
233 INSERT INTO HARDWARE VALUES ('SH3999', 'Canon' 'Canon
    Inkjet-Pro', 'Laser Disruption', 'sc2727fgf', 'Warranty-
    2years');
234 INSERT INTO HARDWARE VALUES ('WS7869', 'Apple', 'Macbook Air
    13', 'Logic Board', 'mac09003d', 'Warranty-2years after
    purchase-date');
235 INSERT INTO HARDWARE VALUES ('HP5674', 'Hp', 'Hp Laser-tech'
    , 'Bad Speaker', 'fhp263449', 'Warranty-3years');
236
237
238
239 #-----insert into staff values ( staffId, lastname,
    FirstName, Phone, Email, Address)
240
241 INSERT INTO STAFF VALUES ('9830', 'Jones', 'Mark', '902-364-
    6758', 'MJones@gmail.com', '5521 Barrington Street');
242 INSERT INTO STAFF VALUES ('4647', 'Smith', 'Lianne', '902-463
    -9900', 'Smith.Lianne@yahoo.com', '2716 Lower Water Street'
    );
243 INSERT INTO STAFF VALUES ('5758', 'Hunt', 'Hailey', '514-465-
    8899', 'HHunt22@gmail.com', '923 Robie Street');
244 INSERT INTO STAFF VALUES ('0029', 'Ferguson', 'Larry', '902-
    343-5786', 'LarryF@gmail.com', '232 Coburg Street');
245 INSERT INTO STAFF VALUES ('2390', 'MacFlin', 'Marty', '514-
    095-4433', 'MartyMac@yahoo.com', '546 Dresden Row');
246
247
248 #----insert into ticket type values( typeId,
    ticketInformation)
249
250 INSERT INTO TICKETTYPE VALUES ('Mac121', 'Service and
    Repair');
251 INSERT INTO TICKETTYPE VALUES ('HSX323', 'Service and
    Repair');
252 INSERT INTO TICKETTYPE VALUES ('DFH432', 'Upgrade');
253 INSERT INTO TICKETTYPE VALUES ('RTR329', 'Full-Strip and
    Restore');
254 INSERT INTO TICKETTYPE VALUES ('RTX678', 'Upgrade and
    Restore');
255
256

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257 #----- insert into ticket values(ticketId,ticketDate,
    TicketDescription,TicketCategory)
258
259 INSERT INTO TICKET VALUES ('AC1114','January 4th','Morning
    Service Meeting','Repair');
260 INSERT INTO TICKET VALUES ('AB1116','March 8th','Battery
    Replacement','Replacement');
261 INSERT INTO TICKET VALUES ('DE4455','April 11th','Upgraded
    system','Upgrades');
262 INSERT INTO TICKET VALUES ('RT576','June 10th','Tear-down'
    ,'Full strip and repair');
263 INSERT INTO TICKET VALUES ('KI990','July 7th','Faulty Part
    ','Replacement on Hardware');
264
265
266
267 #-----insert into status value(statusId,statusDetails,
    StatusDate)
268
269 INSERT INTO STATUS VALUES ('Repaired','System repaired and
    awaiting pick-up','January 6th');
270 INSERT INTO STATUS VALUES ('Ongoing','Item in repairs','
    March 12th');
271 INSERT INTO STATUS VALUES ('Upgraded','Upgraded and
    Finished','April 15th');
272 INSERT INTO STATUS VALUES ('Stripped','Stripped and
    Repaired','June 13th');
273 INSERT INTO STATUS VALUES ('Replacement','Fixed and
    Replaced','July 10th');
274
275
276
277 #----- insert into user value(UserId,lastname,firstname,
    address,phone,email,username,password)
278
279 INSERT INTO USER VALUES ('ADA1442','Surrano','Danny','321
    Barrington Street','902-373-9900','DSurrano@gmail.com','
    DSurranno','asd123');
280 INSERT INTO USER VALUES ('FF6677','Spade','David','22
    Tower Apartments','902-321-9988','DSpaid32@gmail.com','
    DSpaid','2233qwa');
281 INSERT INTO USER VALUES ('RD3737','Spooner','Ashley','456
    Robie Street','902-342-2211','AshleyS@gmail.com','
    AshelyS22','qas223');
282 INSERT INTO USER VALUES ('ER3434','Marks','Shelby','998
    Windsor Street','514-990-7574','Shelby_M@gmail.com','

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282 ShelbyM', 'kid321');
283 INSERT INTO USER VALUES ('ERU223', 'Smith', 'Jason', '293
    Oxford Street', '902-432-4433', 'JSmith@gmail.com', 'Jsmith1'
    , 'pol443');
284
285
286 #----- insert into job value(JobId, JobDescription,
    JobNumber, JobDate)
287
288 INSERT INTO JOB VALUES ('Laptop repair', 'Laptop fixed due
    to a error on the hardware side', 'af1122', 'January 10th');
289 INSERT INTO JOB VALUES ('Battery Repair', 'Laptop was dying
    quickly due to faulty wires', 'af3322', 'March 15th');
290 INSERT INTO JOB VALUES ('Laser point upgraded for new
    hardware', 'Laserpoint was not recognizable to new system
    hardware design', 'af4455', 'April 20th');
291 INSERT INTO JOB VALUES ('Computer Beeps', 'Computer
    repaired due to continuous beeps', 'as3392', 'June 16th');
292 INSERT INTO JOB VALUES ('Muffled sounds', 'Computer sounds
    were muffled', 'ded33r4', 'July 13th');
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