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CREATE TABLE `roles` (
  `ID` INT(11) NOT NULL,
  `Descripcion` VARCHAR(250) NOT NULL COLLATE 'utf8_general_ci',
  PRIMARY KEY (`ID`) USING BTREE
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `permisos` (
  `ID` INT(11) NOT NULL,
  `Descripcion` VARCHAR(250) NOT NULL DEFAULT '' COLLATE
'utf8_general_ci',
  PRIMARY KEY (`ID`) USING BTREE
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `role-permiso` (
  `RolID` INT(11) NOT NULL,
  `PermisoID` INT(11) NOT NULL,
  INDEX `RolID` (`RolID`) USING BTREE,
  INDEX `PermisoID` (`PermisoID`) USING BTREE,
  CONSTRAINT `PermisoID` FOREIGN KEY (`PermisoID`) REFERENCES
`railsystemfinalproject`.`permisos` (`ID`) ON UPDATE RESTRICT ON DELETE
RESTRICT,
  CONSTRAINT `RolID` FOREIGN KEY (`RolID`) REFERENCES
  
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`railsystemfinalproject`.`roles` (`ID`) ON UPDATE RESTRICT ON DELETE
RESTRICT
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `usuario` (
  `ID` INT(11) NOT NULL,
  `Nombre` VARCHAR(250) NOT NULL DEFAULT 'None' COLLATE
'utf8_general_ci',
  `RolUsuario` INT(11) NOT NULL,
  PRIMARY KEY (`ID`) USING BTREE,
  INDEX `FK1` (`RolUsuario`) USING BTREE,
  CONSTRAINT `FK1` FOREIGN KEY (`RolUsuario`) REFERENCES
`railsystemfinalproject`.`roles` (`ID`) ON UPDATE RESTRICT ON DELETE
RESTRICT
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `credenciales` (
  `correo` VARCHAR(250) NOT NULL COLLATE 'utf8_general_ci',
  `contraseña` VARCHAR(250) NOT NULL COLLATE 'utf8_general_ci',
  `UsuarioID` INT(11) NOT NULL,
  INDEX `FK__usuario` (`UsuarioID`) USING BTREE,
  CONSTRAINT `FK__usuario` FOREIGN KEY (`UsuarioID`) REFERENCES
`railsystemfinalproject`.`usuario` (`ID`) ON UPDATE RESTRICT ON DELETE
RESTRICT
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `estaciones` (
  `ID` INT(11) NOT NULL,
  `Ciudad` VARCHAR(250) NOT NULL COLLATE 'utf8_general_ci',
  PRIMARY KEY (`ID`) USING BTREE
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `Trenes` (
  `ID` INT NOT NULL,
  `Capacidad` INT NOT NULL,
  PRIMARY KEY (`ID`)
)

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COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `Rutas` (
  `PartidaID` INT NOT NULL,
  `DestinoID` INT NOT NULL,
  CONSTRAINT `FK__estaciones` FOREIGN KEY (`PartidaID`) REFERENCES
`estaciones` (`ID`),
  CONSTRAINT `FK__estaciones_2` FOREIGN KEY (`DestinoID`) REFERENCES
`estaciones` (`ID`)
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `Viajes` (
  `ID` INT NOT NULL,
  `Fecha` DATE NOT NULL,
  `EstacionPartida` INT NOT NULL,
  `EstacionDestino` INT NOT NULL,
  `HoraPartida` TIME NOT NULL,
  `HoraDestino` TIME NOT NULL CHECK("HoraDestino" > "HoraPartida")
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;
CREATE TABLE `viajes` (
  `ID` INT(11) NOT NULL,
  `Fecha` DATE NOT NULL,
  `EstacionPartida` INT(11) NOT NULL,
  `EstacionDestino` INT(11) NOT NULL,
  `HoraPartida` TIME NOT NULL,
  `HoraDestino` TIME NOT NULL CHECK(`HoraDestino`>`HoraPartida`),
  `TrenID` INT NOT NULL,
  PRIMARY KEY (`ID`),
  CONSTRAINT `FK_viajes_estaciones` FOREIGN KEY (`EstacionPartida`)
REFERENCES `estaciones` (`ID`),
  CONSTRAINT `FK_viajes_estaciones_2` FOREIGN KEY (`EstacionDestino`)
REFERENCES `estaciones` (`ID`),
  CONSTRAINT `FK_viajes_trenes` FOREIGN KEY (`TrenID`) REFERENCES
`trenes` (`ID`)
)
COLLATE='utf8_general_ci'
ENGINE=InnoDB
;

```