**Graphical user interface, text, application

Description automatically generatedGraphical user interface, text

Description automatically generated**

**3.**

**a. List the attribute(s) that make up the primary key (if one exists) in DRIVER.  
-** DID**.**

**b. List the attribute(s) that make up the primary key (if one exists) in SHIPMENT.  
-** Driver ID

**c. List the attribute(s) that make up the primary key (if one exists) in ROUTE.  
-** RID

**d. List the attribute(s) that make up the foreign key(s) (if any exist) in DRIVER.  
-** DID and VID

**e. List the attribute(s) that make up the foreign key(s) (if any exist) in SHIPMENT.  
-** VID

**f. List the attribute(s) that make up the foreign key(s) (if any exist) in ROUTE.  
-** None

**g. Construct a new tuple that cannot be inserted into SHIPMENT because doing so would violate referential integrity (but would not violate any other constraints)  
-** SHIPMENT {DriverID: AB1; RouteID: 654321; ShipDate: 25-Sept-2022}

**h. Construct a new tuple that can be inserted into SHIPMENT without violating any constraints.**

**-** SHIPMENT {DriverID: DS4; RouteID: 773381; ShipDate: 25-Sept-2022}

**i. Construct a new tuple that cannot be inserted into DRIVER because doing so would violate a key constraint (and thus would also violate entity integrity), but would not violate any other constraints.**

**-** DRIVER (DID: DC1; City: Austin; VanID: V223; Hours: 10)

**j. Construct a new tuple that can be inserted into DRIVER without violating any constraints.**

**-** DRIVER (DID: DC9; City: Austin; VanID: V999; Hours: 40)

**k. Which tuples in ROUTE can be removed from the relation without violating referential integrity? Explain in your own words why these tuples can be removed.**

**-** 449549,NE ; 666900,SW ; 990012,S