Aidan Brown

GEOG 511 Fall 2023

Question 1

MAN(MName)
WOMAN(WName)

Question 2

STUDENT(StNumber, StName, *Dormitory_Bname*)
DORMITORY(BName, Address)

Question 3

SHIPS(Regn#, Name, Tonnage, *Fools_SIN*)
FOOLS(SIN, Name, Address)

Question 4

CUSTOMER(PolicyNo, Name, Address)
CAR(VIN, Make, Model)
ACCIDENT(AccID, Data, Location, *Car_VIN*)

Question 5

- There are more dependents living in **cooperative housing group 1** than in private dwellings.

Question 6

- 45 buildings contain apartments with 1 female living in them. I found this by performing a **Select By Attributes** in the **Apartments** table with the query: 'ADULT_FEMALES' is equal to '1', then selecting related data: is Within Building.

Question 7

Relationship

Relationship Class	Street_Building
Type	Simple
Cardinality	One to one
Notification	None (no messages propagated)
Origin Name	Street_FC
Origin Primary Key	STR_SID
Origin Foreign Key	STR_SID
Destination Name	Building_FC
Forward Path Label	ContainsBuildings
Backward Path Label	IsOnStreet
Split Policy	Use Default

Question 8

- The apartment with 5 children under 18 in it is on Barvinsky street.
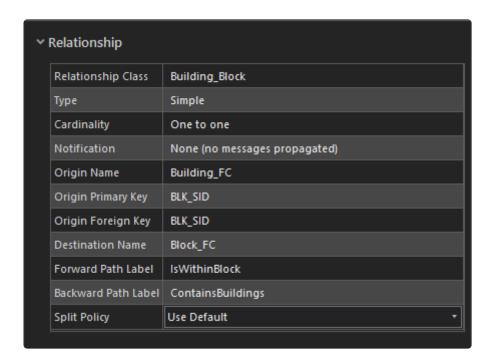
Question 9

- 70 adult males live on Hrushevsky Street.

Question 10

- 103 apartments are within the Cooperative housing group 1 and have 0 children living there.

Question 11

Relationship

Relationship Class	Building_Block
Type	Simple
Cardinality	One to one
Notification	None (no messages propagated)
Origin Name	Building_FC
Origin Primary Key	BLK_SID
Origin Foreign Key	BLK_SID
Destination Name	Block_FC
Forward Path Label	IsWithinBlock
Backward Path Label	ContainsBuildings
Split Policy	Use Default

Question 13

- 19 buildings in BLK_SID 37