

KORESPONDENČNÍ ÚKOL Č. 2

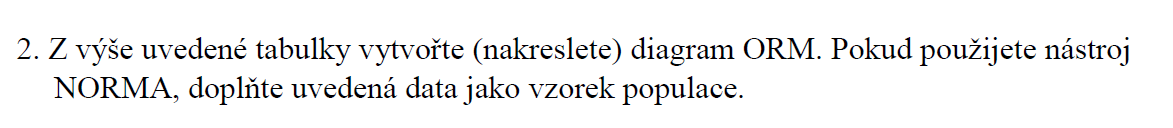
PŘÍRODOVĚDECKÁ FAKULTA OU

**2021/22**

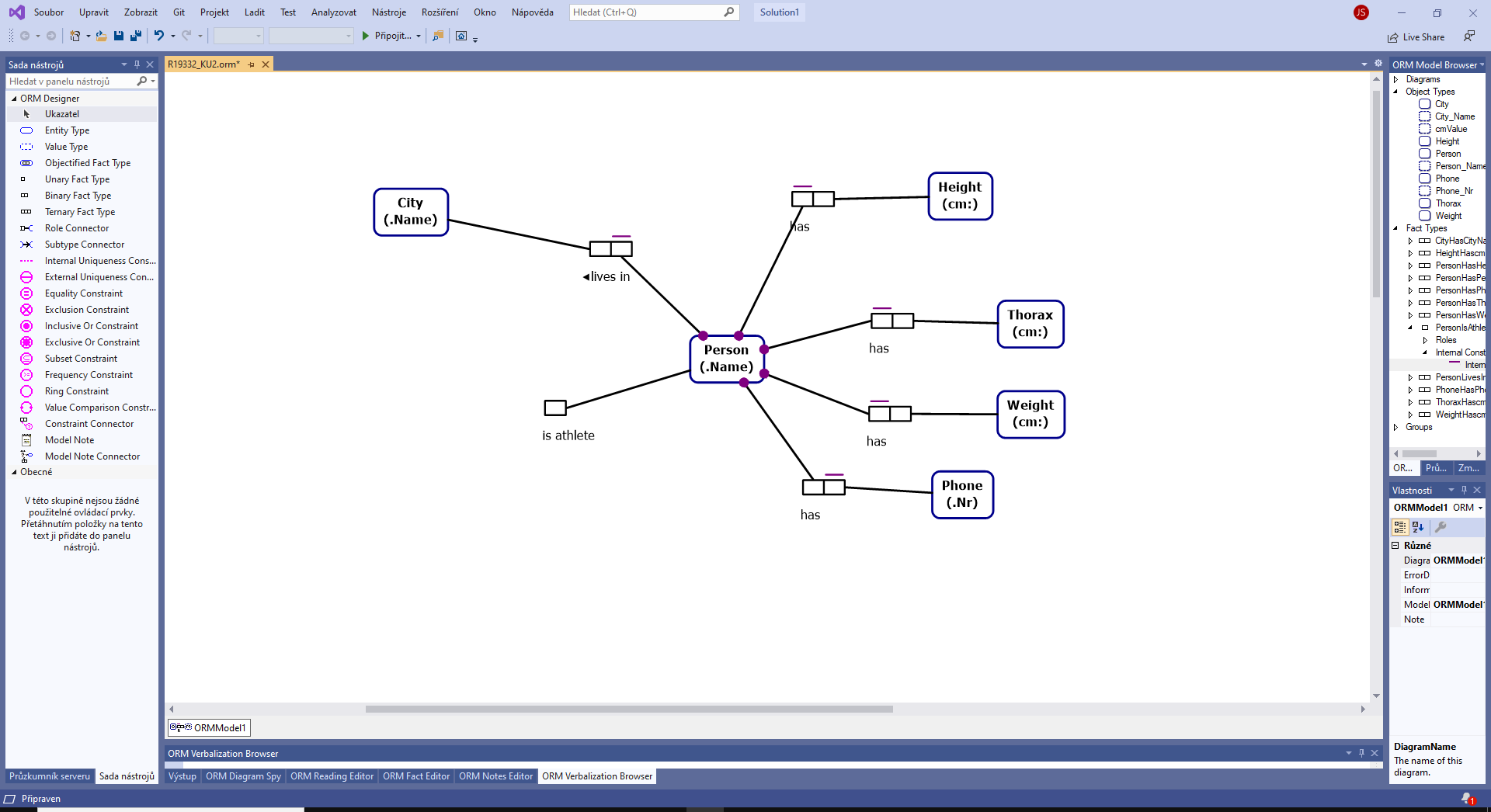
Formátoval: Jan Sonnek Studentské číslo: R19332

Předmět: 7MDSN Datum: 10. 4. 2021

zadání



NORMA



ORM Verbalization browser

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) is an entity type.  
Reference Scheme: [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:ccc80390-7379-48e0-b757-e576e47e518a) [Person\_Name.](elementid:099be515-4f78-4202-bb52-8476b5ff258a)  
Reference Mode: .Name.  
Data Type: Text: Variable Length (0).  
  
Fact Types:  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:ccc80390-7379-48e0-b757-e576e47e518a) [Person\_Name.](elementid:099be515-4f78-4202-bb52-8476b5ff258a)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height.](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax.](elementid:31f8795f-f486-4311-9125-649f15385566)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight.](elementid:2c8df167-268c-417a-8e03-e3748bac669f)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [is athlete.](elementid:e3c59465-f7fd-4a78-b7ae-15923ded9fb7)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City.](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53)  
  
Examples: 'Adam', 'Eva', 'Zita', 'Petr'

[Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) is an entity type.  
Reference Scheme: [Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) [has](elementid:57095f89-1bf0-4908-8ead-ae8da9ddbd8c) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
Reference Mode: cm:.  
Data Type: Numeric: Decimal.  
  
Fact Types:  
[Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) [has](elementid:57095f89-1bf0-4908-8ead-ae8da9ddbd8c) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height.](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310)  
  
Examples: 194, 169, 173, 181

[Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) is an entity type.  
Reference Scheme: [Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) [has](elementid:0e163297-9ba7-416b-b8ea-ae7031ab51bd) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
Reference Mode: cm:.  
Data Type: Numeric: Decimal.  
  
Fact Types:  
[Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) [has](elementid:0e163297-9ba7-416b-b8ea-ae7031ab51bd) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax.](elementid:31f8795f-f486-4311-9125-649f15385566)  
  
Examples: 90, 88, 89, 92

[Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) is an entity type.  
Reference Scheme: [Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) [has](elementid:f0a41145-2693-4b45-801a-163bffd3c264) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
Reference Mode: cm:.  
Data Type: Numeric: Decimal.  
  
Fact Types:  
[Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) [has](elementid:f0a41145-2693-4b45-801a-163bffd3c264) [cmValue.](elementid:d8205b05-3e54-4859-84a8-4d82291e494d)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight.](elementid:2c8df167-268c-417a-8e03-e3748bac669f)  
  
Examples: 88, 67, 69, 89

[Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) is an entity type.  
Reference Scheme: [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) [has](elementid:b24330dd-c2eb-414e-943f-133bdc34e02d) [Phone\_Nr.](elementid:58e9f0bd-679a-4f82-a046-ebf81672327a)  
Reference Mode: .Nr.  
Data Type: Numeric: Signed Integer.  
  
Fact Types:  
[Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) [has](elementid:b24330dd-c2eb-414e-943f-133bdc34e02d) [Phone\_Nr.](elementid:58e9f0bd-679a-4f82-a046-ebf81672327a)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
  
Examples: 773298344, 773298345, 773589125, 770250654

[City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) is an entity type.  
Reference Scheme: [City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) [has](elementid:fe3b2c3f-a882-4f84-846f-66f0cfa03ca9) [City\_Name.](elementid:198d8d87-03bb-449e-95b1-fb4a56f362e3)  
Reference Mode: .Name.  
Data Type: Text: Variable Length (0).  
  
Fact Types:  
[City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) [has](elementid:fe3b2c3f-a882-4f84-846f-66f0cfa03ca9) [City\_Name.](elementid:198d8d87-03bb-449e-95b1-fb4a56f362e3)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City.](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53)  
  
Examples: 'Karviná', 'Ostrava', 'Olomouc'

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height.](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310)  
Each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) exactly one [Height.](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310)  
It is possible that more than one [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) the same [Height.](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310)  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) 194.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Eva' [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) 169.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) 173.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Petr' [has](elementid:eb014b2a-e79f-4190-baac-59f3af584205) [Height](elementid:b4f3c903-dd57-42ab-aed1-43a1dded8310) 181.

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax.](elementid:31f8795f-f486-4311-9125-649f15385566)  
Each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) exactly one [Thorax.](elementid:31f8795f-f486-4311-9125-649f15385566)  
It is possible that more than one [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) the same [Thorax.](elementid:31f8795f-f486-4311-9125-649f15385566)  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) 90.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Eva' [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) 88.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) 89.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Petr' [has](elementid:e054dec5-1e45-4eab-a63c-c9f4e854c18a) [Thorax](elementid:31f8795f-f486-4311-9125-649f15385566) 92.

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight.](elementid:2c8df167-268c-417a-8e03-e3748bac669f)  
Each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) exactly one [Weight.](elementid:2c8df167-268c-417a-8e03-e3748bac669f)  
It is possible that more than one [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) the same [Weight.](elementid:2c8df167-268c-417a-8e03-e3748bac669f)  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) 88.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Eva' [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) 67.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) 69.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Petr' [has](elementid:e46b0189-b5b5-4803-bf8c-e3ffc5199681) [Weight](elementid:2c8df167-268c-417a-8e03-e3748bac669f) 89.

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
Each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) some [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
For each [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f), at most one [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) that [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
It is possible that some [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) more than one [Phone.](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f)  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) 773298344.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Eva' [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) 773298345.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) 773589125.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Petr' [has](elementid:121e3316-f95d-418e-9c1c-b606dbbd501d) [Phone](elementid:5b12acad-cf8e-4b6a-8e67-1d67f364458f) 770250654.

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [is athlete.](elementid:e3c59465-f7fd-4a78-b7ae-15923ded9fb7)  
In each population of [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [is athlete](elementid:e3c59465-f7fd-4a78-b7ae-15923ded9fb7), each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) occurs at most once.  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [is athlete.](elementid:e3c59465-f7fd-4a78-b7ae-15923ded9fb7)  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [is athlete.](elementid:e3c59465-f7fd-4a78-b7ae-15923ded9fb7)

[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City.](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53)  
Each [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) exactly one [City.](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53)  
It is possible that more than one [Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) the same [City.](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53)  
  
Examples:   
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Adam' [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) 'Karviná'.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Eva' [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) 'Karviná'.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Zita' [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) 'Ostrava'.  
[Person](elementid:a71e830c-938a-4d41-9f90-723592c6848c) 'Petr' [lives in](elementid:3f1f3a18-e848-4051-8ce4-ae91b4404626) [City](elementid:9abf7791-e937-4504-9cd0-bccc15d8ce53) 'Olomouc'.