description = ('Country', [

'2011 ', '2012 ', '2013 ', '2014 ', '2015 ', '2016 ', '2017 ', '2018 ', '2019 '

])

dataset = [

('AL', [': ', ': ', ': ', ': ', ': ', ': ', ': ', '84 ', ': ']),

('AT', ['75 ', '79 ', '81 ', '81 ', '82 ', '85 ', '89 ', '89 ', '90 ']),

('BA', [': ', ': ', ': ', ': ', ': ', ': ', ': ', '69 ', '72 ']),

('BE', ['77 ', '78 ', '80 ', '83 ', '82 ', '85 ', '86 ', '87 ', '90 ']),

('BG', ['45 ', '51 ', '54 ', '57 ', '59 ', '64 ', '67 ', '72 ', '75 ']),

('CH', [': ', ': ', ': ', '91 ', ': ', ': ', '93 b', ': ', '96 ']),

('CY', ['57 ', '62 ', '65 ', '69 ', '71 ', '74 ', '79 ', '86 ', '90 ']),

('CZ', ['67 ', '73 ', '73 ', '78 ', '79 ', '82 ', '83 ', '86 ', '87 ']),

('DE', ['83 ', '85 ', '88 ', '89 ', '90 ', '92 ', '93 ', '94 ', '95 ']),

('DK', ['90 ', '92 ', '93 ', '93 ', '92 ', '94 ', '97 ', '93 ', '95 ']),

('EA', ['74 ', '76 ', '79 ', '81 ', '83 ', '85 ', '87 ', '89 ', '90 ']),

('EE', ['69 ', '74 ', '79 ', '83 ', '88 ', '86 ', '88 ', '90 ', '90 ']),

('EL', ['50 ', '54 ', '56 ', '66 ', '68 ', '69 ', '71 ', '76 ', '79 ']),

('ES', ['63 ', '67 ', '70 ', '74 ', '79 ', '82 ', '83 ', '86 ', '91 ']),

('FI', ['84 ', '87 ', '89 ', '90 ', '90 ', '92 ', '94 ', '94 ', '94 ']),

('FR', ['76 ', '80 ', '82 ', '83 ', '83 ', '86 ', '86 ', '89 ', '90 ']),

('HR', ['61 ', '66 ', '65 ', '68 ', '77 ', '77 ', '76 ', '82 ', '81 ']),

('HU', ['63 ', '67 ', '70 ', '73 ', '76 ', '79 ', '82 ', '83 ', '86 ']),

('IE', ['78 ', '81 ', '82 ', '82 ', '85 ', '87 ', '88 ', '89 ', '91 ']),

('IS', ['93 ', '95 ', '96 ', '96 ', ': ', ': ', '98 ', '99 ', '98 ']),

('IT', ['62 ', '63 ', '69 ', '73 ', '75 ', '79 ', '81 ', '84 ', '85 ']),

('LT', ['60 ', '60 ', '65 ', '66 ', '68 ', '72 ', '75 ', '78 ', '82 ']),

('LU', ['91 ', '93 ', '94 ', '96 ', '97 ', '97 ', '97 ', '93 b', '95 ']),

('LV', ['64 ', '69 ', '72 ', '73 ', '76 ', '77 b', '79 ', '82 ', '85 ']),

('ME', [': ', '55 ', ': ', ': ', ': ', ': ', '71 ', '72 ', '74 ']),

('MK', [': ', '58 ', '65 ', '68 ', '69 ', '75 ', '74 ', '79 ', '82 ']),

('MT', ['75 ', '77 ', '78 ', '80 ', '81 ', '81 ', '85 ', '84 ', '86 ']),

('NL', ['94 ', '94 ', '95 ', '96 ', '96 ', '97 ', '98 ', '98 ', '98 ']),

('NO', ['92 ', '93 ', '94 ', '93 ', '97 ', '97 ', '97 ', '96 ', '98 ']),

('PL', ['67 ', '70 ', '72 ', '75 ', '76 ', '80 ', '82 ', '84 ', '87 ']),

('PT', ['58 ', '61 ', '62 ', '65 ', '70 ', '74 ', '77 ', '79 ', '81 ']),

('RO', ['47 ', '54 ', '58 ', '61 b', '68 ', '72 ', '76 ', '81 ', '84 ']),

('RS', [': ', ': ', ': ', ': ', '64 ', ': ', '68 ', '73 ', '80 ']),

('SE', ['91 ', '92 ', '93 ', '90 ', '91 ', '94 b', '95 ', '93 ', '96 ']),

('SI', ['73 ', '74 ', '76 ', '77 ', '78 ', '78 ', '82 ', '87 ', '89 ']),

('SK', ['71 ', '75 ', '78 ', '78 ', '79 ', '81 ', '81 ', '81 ', '82 ']),

('TR', [': ', '47 ', '49 ', '60 ', '70 ', '76 ', '81 ', '84 ', '88 ']),

('UK', ['83 ', '87 ', '88 ', '90 ', '91 ', '93 ', '94 ', '95 ', '96 ']),

('XK', [': ', ': ', ': ', ': ', ': ', ': ', '89 ', '93 ', '93 ']),

]

': ' inseamna ca nu exista date pentru anul respectiv

1) se cere realizarea unei functii get\_year\_data() care sa contina 2 param: Setul de date si anul pentru care se doreste preluarea datelor

get\_year\_data(dataset, "2019") returneaza

{'2019': [('Romania', 84), ('Germany', 95), ..., ('Latvia', 85)]}

2) se cere realizarea unei functii get\_country\_data(dataset, "Romania"), care sa contina 2 param. datasetul si tara pentru care se doreste primirea datelor.

ex: get\_country\_data(dataset, "Romania") returneaza {'Romania': [('2019', 84), ('2018', 86), ..., ('2011', 72)]}

3) de asemenea, se cere realizarea unei functii perform\_average(country\_data['Romania']) care sa returneze media per tara, ex perform\_average(country\_data['Romania'])

returneaza 79.4

structura datelor trebuie sa fie ca in exemplul de mai jos, pentru o preluare rapida:

{

'Romania': [

{

'year': '2019',

'coverage': 84

}, {

'year': '2018',

'coverage': 67

},

..., {

'year': '2011',

'coverage': 72

}

],

'Germany': [

{

'year': '2019',

'coverage': 94

}, {

'year': '2018',

'coverage': 87

},

..., {

'year': '2011',

'coverage': 82

}

]}