

Sprawozdanie z zadania dodatkowego

1. Skrypt tworzący tabele

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1) CREATE TABLE stawki (
2)   dzien DATE NOT NULL,
3)   stawka DECIMAL NULL,
4)   PRIMARY KEY(dzien)
5) );
6) CREATE TABLE naleznosci (
7)   id INTEGER NOT NULL,
8)   kwota DECIMAL NULL,
9)   termin DATE NULL,
10)  PRIMARY KEY(id)
11) )
12) CREATE TABLE wpłaty (
13) id INTEGER NOT NULL,
14) naleznosci_id INTEGER NOT NULL,
15) kwota DECIMAL NULL,
16) data_wplaty DATE NULL,
17) PRIMARY KEY(id),
18) FOREIGN KEY(naleznosci_id)
19) REFERENCES naleznosci(id)
20) )

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2. Skrypt wypełniający tabele przykładowymi danymi

Stawki

```

1. INSERT INTO stawki (dzien,stawka) VALUES ('01/01/2019',RAND()*(0.15-0.05)+0.05)
2. INSERT INTO stawki (dzien,stawka) VALUES ('01/21/2019',RAND()*(0.15-0.05)+0.05)
3. INSERT INTO stawki (dzien,stawka) VALUES ('02/02/2019',RAND()*(0.15-0.05)+0.05)
4. INSERT INTO stawki (dzien,stawka) VALUES ('02/22/2019',RAND()*(0.15-0.05)+0.05)
5. INSERT INTO stawki (dzien,stawka) VALUES ('03/10/2019',RAND()*(0.15-0.05)+0.05)
6. INSERT INTO stawki (dzien,stawka) VALUES ('03/20/2019',RAND()*(0.15-0.05)+0.05)
7. INSERT INTO stawki (dzien,stawka) VALUES ('03/31/2019',RAND()*(0.15-0.05)+0.05)
8. INSERT INTO stawki (dzien,stawka) VALUES ('04/20/2019',RAND()*(0.15-0.05)+0.05)
9. INSERT INTO stawki (dzien,stawka) VALUES ('05/10/2019',RAND()*(0.15-0.05)+0.05)
10. INSERT INTO stawki (dzien,stawka) VALUES ('05/24/2019',RAND()*(0.15-0.05)+0.05)

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Należności

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1. insert into naleznosci (id, kwota, termin) values(1,4059,'02/01/2019')
2. insert into naleznosci (id, kwota, termin) values(2,3558,'02/18/2019')
3. insert into naleznosci (id, kwota, termin) values(3,2259,'03/07/2019')
4. insert into naleznosci (id, kwota, termin) values(4,1643,'03/22/2019')
5. insert into naleznosci (id, kwota, termin) values(5,3429,'04/06/2019')
6. insert into naleznosci (id, kwota, termin) values(6,1397,'04/17/2019')
7. insert into naleznosci (id, kwota, termin) values(7,1619,'04/27/2019')
8. insert into naleznosci (id, kwota, termin) values(8,1944,'05/15/2019')
9. insert into naleznosci (id, kwota, termin) values(9,3045,'05/29/2019')
10. insert into naleznosci (id, kwota, termin) values(10,4918,'06/12/2019')
11. insert into naleznosci (id, kwota, termin) values(11,3316,'06/26/2019')
12. insert into naleznosci (id, kwota, termin) values(12,3166,'07/10/2019')

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13. insert into naleznosci (id, kwota, termin) values(13,4654, '07/22/2019')
14. insert into naleznosci (id, kwota, termin) values(14,1156, '08/03/2019')
15. insert into naleznosci (id, kwota, termin) values(15,3080, '08/15/2019')
16. insert into naleznosci (id, kwota, termin) values(16,4444, '09/03/2019')
17. insert into naleznosci (id, kwota, termin) values(17,2166, '09/14/2019')
18. insert into naleznosci (id, kwota, termin) values(18,2283, '09/29/2019')
19. insert into naleznosci (id, kwota, termin) values(19,1312, '10/14/2019')
20. insert into naleznosci (id, kwota, termin) values(20,4726, '11/01/2019')
21. insert into naleznosci (id, kwota, termin) values(21,4966, '11/21/2019')
22. insert into naleznosci (id, kwota, termin) values(22,4132, '12/05/2019')
23. insert into naleznosci (id, kwota, termin) values(23,2536, '12/16/2019')
24. insert into naleznosci (id, kwota, termin) values(24,2314, '01/03/2020')
25. insert into naleznosci (id, kwota, termin) values(25,2317, '01/13/2020')
26. insert into naleznosci (id, kwota, termin) values(26,4289, '02/01/2020')
27. insert into naleznosci (id, kwota, termin) values(27,1621, '02/17/2020')
28. insert into naleznosci (id, kwota, termin) values(28,3611, '02/27/2020')
29. insert into naleznosci (id, kwota, termin) values(29,4705, '03/11/2020')
30. insert into naleznosci (id, kwota, termin) values(30,4909, '03/24/2020')

```

Wpłaty

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1. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (1,2,241, '01/01/2019')
2. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (2,21,526, '01/15/2019')
3. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (3,28,608, '01/31/2019')
4. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (4,23,535, '02/20/2019')
5. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (5,12,72, '03/02/2019')
6. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (6,29,834, '03/14/2019')
7. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (7,15,861, '04/02/2019')
8. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (8,19,417, '04/20/2019')
9. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (9,9,549, '05/01/2019')
10. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (10,2,128, '05/21/2019')
11. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (11,19,483, '06/05/2019')
12. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (12,4,293, '06/23/2019')
13. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (13,28,892, '07/11/2019')
14. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (14,1,226, '07/30/2019')
15. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (15,23,726, '08/15/2019')
16. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (16,2,319, '08/29/2019')
17. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (17,12,172, '09/14/2019')
18. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (18,20,469, '09/25/2019')
19. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (19,26,529, '10/12/2019')
20. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (20,9,75, '10/26/2019')
21. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (21,28,29, '11/07/2019')
22. insert into wpłaty (id, naleznosci_id, kwota, data_wplaty) values (22,4,189, '11/18/2019')

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23. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (23,16,401,'12/07/2019')
24. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (24,7,480,'12/19/2019')
25. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (25,2,811,'12/29/2019')
26. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (26,24,648,'01/14/2020')
27. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (27,25,172,'01/26/2020')
28. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (28,7,938,'02/05/2020')
29. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (29,29,715,'02/25/2020')
30. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (30,23,16,'03/14/2020')
31. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (31,7,735,'03/30/2020')
32. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (32,26,906,'04/18/2020')
33. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (33,28,750,'05/02/2020')
34. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (34,10,655,'05/17/2020')
35. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (35,26,495,'05/27/2020')
36. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (36,21,436,'06/12/2020')
37. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (37,23,921,'06/22/2020')
38. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (38,29,687,'07/12/2020')
39. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (39,5,101,'07/23/2020')
40. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (40,5,570,'08/04/2020')
41. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (41,5,429,'08/15/2020')
42. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (42,26,873,'08/28/2020')
43. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (43,7,326,'09/13/2020')
44. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (44,9,418,'10/02/2020')
45. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (45,5,92,'10/17/2020')
46. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (46,4,397,'11/04/2020')
47. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (47,8,905,'11/15/2020')
48. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (48,25,460,'11/25/2020')
49. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (49,11,794,'12/12/2020')
50. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (50,17,863,'12/26/2020')
51. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (51,20,483,'01/11/2021')
52. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (52,18,551,'01/30/2021')
53. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (53,26,903,'02/12/2021')
54. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (54,20,734,'02/23/2021')
55. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (55,6,357,'03/11/2021')
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56. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (56,6,984,'03/26/2021')
57. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (57,19,817,'04/11/2021')
58. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (58,21,377,'04/26/2021')
59. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (59,2,546,'05/08/2021')
60. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (60,29,890,'05/27/2021')
61. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (61,21,153,'06/08/2021')
62. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (62,27,448,'06/27/2021')
63. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (63,8,212,'07/17/2021')
64. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (64,16,777,'08/06/2021')
65. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (65,17,958,'08/22/2021')
66. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (66,3,301,'09/03/2021')
67. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (67,1,692,'09/20/2021')
68. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (68,26,893,'10/10/2021')
69. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (69,30,212,'10/22/2021')
70. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (70,1,12,'11/07/2021')
71. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (71,21,480,'11/18/2021')
72. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (72,21,276,'12/08/2021')
73. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (73,18,15,'12/21/2021')
74. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (74,15,918,'01/04/2022')
75. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (75,12,839,'01/20/2022')
76. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (76,5,761,'02/07/2022')
77. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (77,22,965,'02/21/2022')
78. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (78,5,901,'03/09/2022')
79. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (79,7,321,'03/28/2022')
80. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (80,17,510,'04/15/2022')
81. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (81,24,885,'04/26/2022')
82. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (82,26,172,'05/08/2022')
83. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (83,21,800,'05/27/2022')
84. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (84,4,886,'06/12/2022')
85. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (85,10,647,'06/24/2022')
86. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (86,27,642,'07/14/2022')
87. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (87,6,387,'07/27/2022')
88. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (88,10,114,'08/15/2022')
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89. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (89,20,604,'08/25/
2022')
90. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (90,8,348,'09/10/2
022')
91. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (91,27,498,'09/25/
2022')
92. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (92,13,813,'10/06/
2022')
93. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (93,16,305,'10/19/
2022')
94. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (94,24,456,'11/06/
2022')
95. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (95,29,756,'11/25/
2022')
96. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (96,29,233,'12/09/
2022')
97. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (97,29,916,'12/22/
2022')
98. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (98,3,497,'01/05/2
023')
99. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (99,3,288,'01/15/2
023')
100. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (100,26,372
,'02/03/2023')
101. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (101,12,256
,'02/20/2023')
102. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (102,3,456,
'03/06/2023')
103. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (103,21,135
,'03/26/2023')
104. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (104,20,734
,'04/09/2023')
105. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (105,13,970
,'04/23/2023')
106. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (106,6,50,'
05/10/2023')
107. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (107,21,947
,'05/23/2023')
108. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (108,15,354
,'06/03/2023')
109. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (109,7,467,
'06/19/2023')
110. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (110,4,532,
'07/06/2023')
111. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (111,5,382,
'07/17/2023')
112. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (112,11,16,
'08/02/2023')
113. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (113,13,14,
'08/18/2023')
114. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (114,7,832,
'09/04/2023')
115. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (115,4,319,
'09/20/2023')
116. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (116,28,110
,'10/08/2023')
117. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (117,1,76,'
10/25/2023')
118. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (118,10,254
,'11/13/2023')
119. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (119,13,862
,'11/27/2023')
120. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (120,29,738
,'12/16/2023')
121. insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (121,16,915
,'12/29/2023')
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122.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (122,24,585
, '01/12/2024')
123.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (123,7,999,
'01/25/2024')
124.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (124,6,258,
'02/13/2024')
125.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (125,2,390,
'03/02/2024')
126.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (126,17,661
, '03/12/2024')
127.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (127,20,630
, '03/23/2024')
128.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (128,26,251
, '04/12/2024')
129.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (129,7,275,
'04/28/2024')
130.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (130,3,186,
'05/15/2024')
131.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (131,13,107
, '06/04/2024')
132.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (132,27,345
, '06/21/2024')
133.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (133,7,51, '
07/01/2024')
134.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (134,20,480
, '07/16/2024')
135.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (135,15,574
, '07/29/2024')
136.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (136,17,430
, '08/10/2024')
137.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (137,13,486
, '08/20/2024')
138.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (138,4,236,
'09/05/2024')
139.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (139,24,375
, '09/22/2024')
140.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (140,20,486
, '10/11/2024')
141.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (141,28,389
, '10/23/2024')
142.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (142,5,257,
'11/07/2024')
143.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (143,28,980
, '11/26/2024')
144.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (144,23,92,
'12/14/2024')
145.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (145,9,149,
'12/30/2024')
146.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (146,24,166
, '01/10/2025')
147.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (147,8,800,
'01/20/2025')
148.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (148,3,583,
'01/30/2025')
149.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (149,29,68,
'02/14/2025')
150.      insert into wplaty (id, naleznosci_id, kwota, data_wplaty) values (150,3,207,
'02/26/2025')
```


Rozwiązanie

@naleznosci_id – ID należności, dla której chcemy pokazać wynik

```
1. SELECT n.id AS 'Id naleznosci',s.dzien AS 'Od dnia',
2. (SELECT TOP 1 s1.dzien FROM stawki s1 WHERE s1.dzien>s.dzien ORDER BY s1.dzien ) AS
   'Do dnia',
3. datediff(day,s.dzien,(SELECT TOP 1 s1.dzien FROM stawki s1 WHERE s1.dzien>s.dzien OR
   DER BY s1.dzien )) AS 'Liczba dni',
4. s.stawka AS 'Stawka',n.kwota-ISNULL(SUM(w.kwota),0) AS 'Kwota zadłużenia',
5. CAST((n.kwota-
   ISNULL(SUM(w.kwota),0))*s.stawka/365*datediff(day,s.dzien,(SELECT TOP 1 s1.dzien FRO
   M stawki s1 WHERE s1.dzien>s.dzien ORDER BY s1.dzien )) AS DECIMAL(7,2)) AS 'Kwota o
   dsetek'
6. FROM stawki s
7. INNER JOIN naleznosci n ON n.id=@naleznosci_id
8. LEFT OUTER JOIN wpłaty w ON w.data_wplaty<s.dzien AND w.naleznosci_id=@naleznosci_id
9. GROUP BY n.id,s.dzien,s.stawka,n.kwota
10. HAVING (n.kwota-SUM(ISNULL(w.kwota,0)))>0
11. ORDER BY s.dzien
```

Test działania

@naleznosci_id=5

```
1. SELECT * FROM naleznosci WHERE id=15
```

	id	kwota	termin
1	15	3080.00	2019-08-15

```
1. SELECT * FROM wpłaty WHERE naleznosci_id=15
```

	id	naleznosci_id	kwota	data_wplaty
1	7	15	861.00	2019-04-02
2	74	15	918.00	2022-01-04
3	108	15	354.00	2023-06-03
4	135	15	574.00	2024-07-29

```
1. SELECT * FROM stawki
```

	dzien	stawka
1	2019-01-01	0.106
2	2019-01-21	0.142
3	2019-02-02	0.051
4	2019-02-22	0.148
5	2019-03-10	0.106
6	2019-03-20	0.123
7	2019-03-31	0.130
8	2019-04-20	0.068
9	2019-05-10	0.087
10	2019-05-24	0.052

Uzyskana tabela wynikowa dla okresów obowiązywania stawek:

	Id należności	Od dnia	Do dnia	Liczba dni	Stawka	Kwota zadłużenia	Kwota odsetek
1	15	2019-01-01	2019-01-21	20	0.106	3080.00	17.89
2	15	2019-01-21	2019-02-02	12	0.142	3080.00	14.38
3	15	2019-02-02	2019-02-22	20	0.051	3080.00	8.61
4	15	2019-02-22	2019-03-10	16	0.148	3080.00	19.98
5	15	2019-03-10	2019-03-20	10	0.106	3080.00	8.94
6	15	2019-03-20	2019-03-31	11	0.123	3080.00	11.42
7	15	2019-03-31	2019-04-20	20	0.130	3080.00	21.94
8	15	2019-04-20	2019-05-10	20	0.068	2219.00	8.27
9	15	2019-05-10	2019-05-24	14	0.087	2219.00	7.40
10	15	2019-05-24	NULL	NULL	0.052	2219.00	NULL