C:\Users\Anisha\AppData\Local\Programs\Python\Python35\python.exe C:/Users/Anisha/Desktop/Nightjar/apriori\_6.py

Read 5000 transactions successfully..

################### Generating unique items ###################

1. 4

2. 5

3. 6

4. 10

5. 1

6. 12

7. 19

8. 46

9. 47

10. 16

11. 32

12. 18

13. 24

14. 35

15. 22

16. 27

17. 30

18. 29

19. 0

20. 2

21. 8

22. 14

23. 40

24. 44

25. 3

26. 28

27. 31

28. 36

29. 48

30. 17

31. 7

32. 11

33. 37

34. 42

35. 13

36. 20

37. 41

38. 25

39. 9

40. 21

41. 45

42. 38

43. 23

44. 43

45. 33

46. 34

47. 39

48. 15

49. 26

50. 49

Enter the minimum support :: 0.01

################### Generating Frequent 1 item-set ###################

1. ['4'] | 0.096

2. ['5'] | 0.0876

3. ['6'] | 0.0382

4. ['10'] | 0.0386

5. ['1'] | 0.085

6. ['12'] | 0.0734

7. ['19'] | 0.0708

8. ['46'] | 0.0808

9. ['47'] | 0.0734

10. ['16'] | 0.0852

11. ['32'] | 0.0822

12. ['18'] | 0.092

13. ['24'] | 0.0642

14. ['35'] | 0.0892

15. ['22'] | 0.0954

16. ['27'] | 0.0836

17. ['30'] | 0.0456

18. ['29'] | 0.0706

19. ['0'] | 0.0798

20. ['2'] | 0.0746

21. ['8'] | 0.046

22. ['14'] | 0.0782

23. ['40'] | 0.0648

24. ['44'] | 0.0772

25. ['3'] | 0.0836

26. ['28'] | 0.0998

27. ['31'] | 0.0742

28. ['36'] | 0.0782

29. ['48'] | 0.067

30. ['17'] | 0.0762

31. ['7'] | 0.1108

32. ['11'] | 0.0782

33. ['37'] | 0.0814

34. ['42'] | 0.0922

35. ['13'] | 0.0422

36. ['20'] | 0.0444

37. ['41'] | 0.0678

38. ['25'] | 0.0452

39. ['9'] | 0.0818

40. ['21'] | 0.0388

41. ['45'] | 0.1026

42. ['38'] | 0.0428

43. ['23'] | 0.064

44. ['43'] | 0.062

45. ['33'] | 0.077

46. ['34'] | 0.0432

47. ['39'] | 0.04

48. ['15'] | 0.076

49. ['26'] | 0.0398

50. ['49'] | 0.0654

################### Generating Frequent 2 item-set ###################

51. ['4', '9'] | 0.0422

52. ['5', '22'] | 0.0472

53. ['1', '19'] | 0.0336

54. ['12', '31'] | 0.0316

55. ['12', '36'] | 0.0324

56. ['12', '48'] | 0.0254

57. ['46', '0'] | 0.0394

58. ['46', '2'] | 0.0346

59. ['47', '29'] | 0.0298

60. ['47', '17'] | 0.0348

61. ['16', '32'] | 0.044

62. ['16', '45'] | 0.035

63. ['32', '45'] | 0.0348

64. ['18', '35'] | 0.0512

65. ['18', '3'] | 0.0436

66. ['24', '40'] | 0.028

67. ['24', '41'] | 0.0286

68. ['24', '23'] | 0.0284

69. ['24', '43'] | 0.0238

70. ['35', '3'] | 0.0432

71. ['27', '28'] | 0.0496

72. ['29', '17'] | 0.0286

73. ['0', '2'] | 0.0342

74. ['14', '44'] | 0.0366

75. ['40', '41'] | 0.028

76. ['40', '23'] | 0.0278

77. ['40', '43'] | 0.023

78. ['31', '36'] | 0.033

79. ['31', '48'] | 0.0252

80. ['36', '48'] | 0.025

81. ['7', '11'] | 0.0406

82. ['7', '37'] | 0.0412

83. ['7', '45'] | 0.0338

84. ['7', '15'] | 0.0356

85. ['7', '49'] | 0.0296

86. ['11', '37'] | 0.0394

87. ['11', '45'] | 0.0336

88. ['37', '45'] | 0.0336

89. ['42', '33'] | 0.043

90. ['41', '23'] | 0.0286

91. ['41', '43'] | 0.0244

92. ['23', '43'] | 0.0232

93. ['15', '49'] | 0.0314

################### Generating Frequent 3 item-set ###################

94. ['12', '31', '36'] | 0.0298

95. ['12', '31', '48'] | 0.023

96. ['12', '36', '48'] | 0.0228

97. ['31', '36', '48'] | 0.023

98. ['46', '0', '2'] | 0.0312

99. ['47', '29', '17'] | 0.0266

100. ['16', '32', '45'] | 0.0328

101. ['45', '7', '11'] | 0.0308

102. ['45', '7', '37'] | 0.0308

103. ['45', '11', '37'] | 0.0308

104. ['18', '35', '3'] | 0.0408

105. ['24', '40', '41'] | 0.0264

106. ['24', '40', '23'] | 0.0264

107. ['24', '40', '43'] | 0.0214

108. ['24', '41', '23'] | 0.0262

109. ['24', '41', '43'] | 0.0212

110. ['24', '23', '43'] | 0.0214

111. ['40', '41', '23'] | 0.0262

112. ['40', '41', '43'] | 0.0212

113. ['40', '23', '43'] | 0.0212

114. ['41', '23', '43'] | 0.0212

115. ['7', '11', '37'] | 0.0382

116. ['7', '15', '49'] | 0.0286

################### Generating Frequent 4 item-set ###################

117. ['12', '31', '36', '48'] | 0.0228

118. ['45', '7', '11', '37'] | 0.0308

119. ['41', '24', '40', '23'] | 0.0262

120. ['41', '24', '40', '43'] | 0.0212

121. ['41', '24', '23', '43'] | 0.0212

122. ['41', '40', '23', '43'] | 0.0212

123. ['24', '40', '23', '43'] | 0.0212

################### Generating Frequent 5 item-set ###################

124. ['23', '41', '24', '40', '43'] | 0.0212

################### Generating Frequent 6 item-set ###################

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Enter a minimum confidence :: 0.25

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3. ['1'] -> ['19'](0.3952941176470588) | 0.0886

4. ['12'] -> ['31'](0.4305177111716621) | 0.0844

5. ['12'] -> ['36'](0.44141689373297005) | 0.0868

6. ['12'] -> ['48'](0.3460490463215259) | 0.0896

7. ['12'] -> ['31', '36'](0.40599455040871935) | 0.0468

8. ['12'] -> ['31', '48'](0.3133514986376022) | 0.0526

9. ['12'] -> ['36', '48'](0.3106267029972752) | 0.0528

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11. ['19'] -> ['1'](0.4745762711864407) | 0.0886

12. ['46'] -> ['0'](0.4876237623762376) | 0.0818

13. ['46'] -> ['2'](0.4282178217821782) | 0.0862

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15. ['47'] -> ['29'](0.40599455040871935) | 0.0844

16. ['47'] -> ['17'](0.47411444141689374) | 0.08

17. ['47'] -> ['29', '17'](0.36239782016348776) | 0.0488

18. ['16'] -> ['32'](0.5164319248826291) | 0.0794

19. ['16'] -> ['45'](0.4107981220657277) | 0.11779999999999999

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25. ['18'] -> ['3'](0.47391304347826085) | 0.0884

26. ['18'] -> ['35', '3'](0.4434782608695652) | 0.0536

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31. ['24'] -> ['40', '41'](0.411214953271028) | 0.0394

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43. ['35'] -> ['3'](0.484304932735426) | 0.0864

44. ['35'] -> ['18', '3'](0.45739910313901344) | 0.051199999999999996

45. ['22'] -> ['5'](0.4947589098532495) | 0.0886

46. ['27'] -> ['28'](0.5933014354066986) | 0.0842

47. ['29'] -> ['47'](0.42209631728045327) | 0.0844

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56. ['14'] -> ['44'](0.4680306905370844) | 0.0822

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123. ['37'] -> ['11', '45'](0.3783783783783784) | 0.053399999999999996

124. ['37'] -> ['45', '7', '11'](0.3783783783783784) | 0.0506

125. ['42'] -> ['33'](0.46637744034707157) | 0.0832

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163. ['23'] -> ['24', '40', '43'](0.33125) | 0.043

164. ['23'] -> ['24', '41', '43'](0.33125) | 0.0428

165. ['23'] -> ['40', '41', '43'](0.33125) | 0.0428

166. ['23'] -> ['41', '24', '40', '43'](0.33125) | 0.0428

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The average dissociation is 0.05272840909090906

The average confidence is 0.6191758016027282

--- Execution Time :: 1335.5927667617798 seconds ---

Process finished with exit code 0