**Report - template**

Assignment 2 - MySQL

The report does not have to be longer than 1-2 pages, excluding screenshots/images.

**Group**: 28

**Students**: Md Amjad Hossain

**Introduction**

The task was to insert some data to the DB and the problem was mosly related to clean and insert and do some query on those data. Though the documentation was really good but still I faced a lot of problems and confusion. Also for the task I used my own local MYSQL instance. And, I am the single person in my team. And the github repo link - <https://github.com/nayan2/TDT4225.git>

**Results**

**Task 1:** Here the problem was to clean and insert the given data to the desire tables.

**User -**



A screenshot of a computer

Description automatically generated with medium confidence

**Activity:**

Graphical user interface

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

**TrackPoints:**

**Graphical user interface, text

Description automatically generated**

**A screenshot of a computer

Description automatically generated with medium confidence**

**Task 2:** For task 2 we had to solve couple of queries, though my favourite one was the last one.

Question 1:

Table

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

Question 2:

Text

Description automatically generated

ID,COUNT(A.ID)

000,155

001,57

002,146

003,261

004,346

005,73

006,24

007,40

008,23

009,37

010,178

011,201

012,69

013,119

014,236

015,60

016,36

017,265

018,44

019,79

020,146

021,11

022,82

023,16

024,49

025,715

026,21

027,3

028,53

029,42

030,210

031,4

032,14

033,4

034,180

035,24

036,44

037,129

038,72

039,198

040,20

041,399

042,110

043,32

044,61

045,8

046,31

047,12

048,1

050,12

051,50

052,179

053,11

054,2

055,19

056,25

057,22

058,31

060,1

061,20

062,425

063,14

064,27

065,31

066,8

067,30

068,577

069,11

070,8

071,66

072,2

073,53

074,85

075,8

076,3

077,3

078,59

079,23

080,11

081,29

082,84

083,31

084,178

085,606

086,5

087,6

089,19

090,8

091,52

092,8

093,22

094,22

095,33

096,67

097,17

098,23

099,16

101,5

102,51

103,47

105,27

107,5

108,9

109,4

111,12

112,115

113,31

114,2

115,105

117,8

119,32

121,5

122,6

123,4

125,66

126,310

127,7

128,678

129,12

130,14

131,15

132,3

133,4

134,75

135,8

136,7

138,27

139,29

140,345

141,14

142,138

144,6

145,5

146,10

150,22

151,1

152,3

153,479

155,40

157,13

158,14

159,7

161,20

162,11

163,200

164,7

165,15

166,8

167,587

168,83

169,34

170,12

171,5

172,18

173,6

175,8

176,8

178,1

179,182

180,4

181,15

Question 3:

Text

Description automatically generated

Table

Description automatically generated with medium confidence

Question 4:

Text

Description automatically generated

A picture containing chart

Description automatically generated

Question 5:

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Question 6:

Text

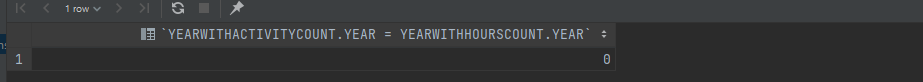
Description automatically generated

Graphical user interface, application

Description automatically generated

A screenshot of a video game

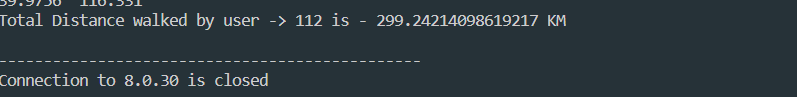
Description automatically generated with medium confidence



Question 7:

Text

Description automatically generated



Question 8:

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

Question 9:

Text

Description automatically generated

#,ID,COUNT(TP.ID)

1,000,596

2,001,168

3,002,431

4,003,1105

5,004,1509

6,005,197

7,006,72

8,007,172

9,008,54

10,009,147

11,010,141

12,011,227

13,012,228

14,013,179

15,014,557

16,015,192

17,016,93

18,017,745

19,018,136

20,019,143

21,020,147

22,021,19

23,022,269

24,023,44

25,024,121

26,025,1097

27,026,71

28,027,16

29,028,140

30,029,74

31,030,704

32,031,9

33,032,49

34,033,7

35,034,414

36,035,147

37,036,167

38,037,401

39,038,336

40,039,620

41,040,70

42,041,772

43,042,223

44,043,104

45,044,140

46,045,25

47,046,56

48,047,31

49,048,5

50,050,28

51,051,196

52,052,219

53,053,32

54,054,9

55,055,45

56,056,25

57,057,79

58,058,28

59,060,1

60,061,59

61,062,531

62,063,39

63,064,27

64,065,43

65,066,47

66,067,38

67,068,624

68,069,33

69,070,22

70,071,128

71,072,8

72,073,63

73,074,99

74,075,10

75,076,8

76,077,12

77,078,65

78,079,25

79,080,10

80,081,38

81,082,51

82,083,84

83,084,237

84,085,559

85,086,12

86,087,9

87,089,43

88,090,23

89,091,37

90,092,9

91,093,24

92,094,80

93,095,51

94,096,54

95,097,25

96,098,24

97,099,129

98,101,4

99,102,41

100,103,90

101,105,34

102,107,4

103,108,32

104,109,12

105,111,9

106,112,143

107,113,31

108,114,2

109,115,206

110,117,6

111,119,110

112,121,19

113,122,26

114,123,24

115,125,64

116,126,266

117,127,14

118,128,882

119,129,18

120,130,30

121,131,74

122,132,6

123,133,21

124,134,156

125,135,28

126,136,5

127,138,26

128,139,52

129,140,523

130,141,9

131,142,335

132,144,15

133,145,21

134,146,37

135,150,80

136,151,4

137,152,5

138,153,377

139,155,109

140,157,78

141,158,41

142,159,13

143,161,12

144,162,37

145,163,227

146,164,27

147,165,17

148,166,9

149,167,494

150,168,117

151,169,45

152,170,5

153,171,19

154,172,34

155,173,16

156,175,15

157,176,32

158,179,118

159,180,5

160,181,63

Question 10:

Text

Description automatically generated

**No result**

Graphical user interface, text

Description automatically generated

Question 11:

Text

Description automatically generated

#,user\_id,most\_used\_transportation\_mode

1,010,taxi

2,020,walk

3,021,taxi

4,052,bus

5,053,bus

6,056,bike

7,058,taxi

8,060,walk

9,062,walk

10,064,bus

11,065,walk

12,067,walk

13,068,bike

14,069,car

15,073,walk

16,075,subway

17,076,car

18,078,walk

19,080,bus

20,081,bike

21,082,walk

22,084,taxi

23,085,walk

24,086,car

25,087,walk

26,089,car

27,091,bus

28,092,bus

29,096,walk

30,097,bike

31,098,taxi

32,101,car

33,102,walk

34,105,bus

35,107,walk

36,108,walk

37,111,taxi

38,112,walk

39,114,taxi

40,115,car

41,117,walk

42,125,bike

43,126,walk

44,128,car

45,129,car

46,136,walk

47,138,bike

48,139,bus

49,141,walk

50,144,walk

51,153,taxi

52,161,walk

53,163,bike

54,167,bike

55,170,walk

56,175,taxi

57,179,walk

**Discussion**

Yes, one thing I did differently than the assignment sheed – is the **Trackpoint** table structure. Its just one column. The altitude column. The data type was given as INT. But, there was several data points where the value was decimal/float. So, I had the change the column data type from INT to double.

**Text

Description automatically generated with low confidence**

And after changing the data type evrything woked just fine. Though I did not learn much about partioning or clonining much from the assignment but maybe the assignment is more about how we have approached the peoblem.

**Feedback**

Yes, there was couple of points that misleading. Like 2500 data points. It was not clearly meantioned is it for single activity or for whole file. Also, Some formula given to validate the altitude is misleading. Thanks