IS 664 Fall 2021



PRACTICE FINAL EXAM STORED PROCEDURES

Imperial_defense

PROFESSOR HG LOCKLEAR

GENERAL

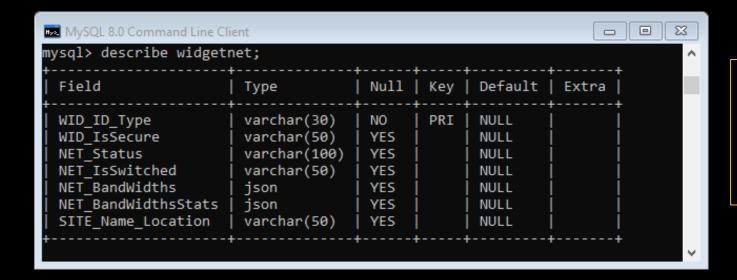
- •This is your PRACTICE FINAL EXAM.
- You receive 10 points for a CORRECT solution.
- Read the task <u>carefully</u> and write the code necessary to create the defined Stored Procedure.
- Create a single SQL script containing all the code for the Task.
- •The Stored Procedure MUST be created in the imperial_defense database.
- •The Stored Procedure MUST utilize one or more cursors to retrieve all required data and MAY NOT have hardcoded values.
- •You MAY NOT use any SELECT ...INTO statements in your procedure.
- •The Stored Procedure MAY INCLUDE user-defined and native functions.
- Utilize your MySQL documentation.
- •Be conscious of good style and eliminate extraneous code from your SQL script.
- •The PRACTICE EXAM is due on Thursday Dec 16th at 6 PM.

TASK

Create the stored procedure widgetNetworkAnalysis which accepts two parameters and creates/populates/displays the table widgetNET.

Parameter 1: The first number in the WID of the Widget.

Parameter 2: The last number in the WID of the Widget.



- NET_Bandwidths consists of the Network Bandwidth, OptimumBW, MaxBW, and MinBW attributes.
- NET_BandwidthsStats consists of the mean, variance, and standard deviation of the Network Bandwidth, OptimumBW, MaxBW, and MinBW attributes.

EXPECTED OUTPUT

Call the procedure with the following parameters

CALL widgetNetworkAnalysis(1,6); CALL widgetNetworkAnalysis(2,5); CALL widgetNetworkAnalysis(3,4);

MySQL 8.0 Command Line Client							
Query OK, 0 rows affected, 1 warning (0.00 sec)							
+	WID_IsSecure	NET_Status	NET_IsSwitched		+ NET_BandWidthsStats	+ SITE_Name_Location	†
WDG#116 Pad WDG#126 Terminal WDG#136 Pad WDG#146 Terminal WDG#156 Terminal WDG#166 Device WDG#176 Pad	Secure Open Secure Secure Open Secure Open Secure	SAT COMM Network Ginda02xNET_SAT is currently ONLINE CIV DATA Network Trerth01wNET_CIV is currently ONLINE SAT COMM Network Zebetis02xNET_SAT is currently OFFLINE DEF DATA Network Trerth05uNET_DEF is currently ONLINE TRACK DATA Network Brore01wNET_TRACK is currently OFFLINE DEF DATA Network Trerth05uNET_DEF is currently ONLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE	Switched Not Switched Switched Switched Switched Switched Not Switched Not Switched	[321.000, 272.850, 401.250, 144.450] [447.000, 379.950, 558.750, 201.150] [653.000, 555.050, 816.250, 293.850] [743.000, 631.550, 928.750, 334.350] [495.000, 420.750, 618.750, 222.750] [743.000, 631.550, 928.750, 334.350] [809.000, 687.650, 1011.250, 364.050] [809.000, 687.650, 1011.250, 364.050]	[284.888, 11570.646, 107.570] [396.713, 22436.885, 149.790] [579.538, 47882.177, 218.820] [659.413, 61990.503, 248.980] [439.313, 27514.266, 165.870] [659.413, 61990.503, 248.980] [717.988, 73492.762, 271.100]	Eaw99q12 at Coordinates: (21,178) Cah99q3 at Coordinates: (27,2) Eap0012 at Coordinates: (80,168) Day0018 at Coordinates: (54,218) Ear019k19 at Coordinates: (68,115) Ear019k19 at Coordinates: (68,115) Eap246e1 at Coordinates: (38,39)	
8 rows in set (0.04 sec) Query OK, 0 rows affected (0.07 sec)							
	WID_IsSecure		NET_IsSwitched		NET_BandWidthsStats	SITE_Name_Location	İ
WDG#205 Terminal WDG#215 Terminal WDG#215 Terminal WDG#245 Device WDG#25 Pad WDG#25 Terminal WDG#255 Device WDG#265 Device WDG#275 Pad	Open Open Open Secure Open Secure Open Secure Open Secure Secure Secure Secure Secure Secure Open Secure Open Ope	DEF DATA Network Trenth05uNET_DEF is currently ONLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE CIV VIDEO Network Povebos04zNET_CIV is currently OFFLINE TRACK DATA Network Brore01wNET_TRACK is currently OFFLINE SAT DATA Network Brore03yNET_SAT is currently ONLINE TRACK DATA Network Brore01wNET_TRACK is currently OFFLINE SAT DATA Network Brore03yNET_SAT is currently ONLINE SURV DATA Network Brore06vNET_SURV is currently OFFLINE SURV DATA Network Brore06vNET_SURV is currently OFFLINE	Switched Not Switched Not Switched	[743.000, 631.550, 928.750, 334.350] [809.000, 687.650, 1011.250, 364.050] [809.000, 687.650, 1011.250, 364.050] [159.000, 135.150, 198.750, 71.550] [495.000, 420.750, 618.750, 222.750] [128.000, 108.800, 160.000, 57.600] [495.000, 420.750, 618.750, 222.750] [128.000, 108.800, 160.000, 57.600] [540.000, 459.000, 675.000, 243.000]	[659.413, 61990.503, 248.980] [717.988, 73492.762, 271.100] [717.988, 73492.762, 271.100] [141.113, 2838.846, 53.280] [439.313, 27514.266, 165.870] [113.600, 1839.787, 42.890] [439.313, 27514.266, 165.870] [113.600, 1839.787, 42.890] [479.250, 32744.251, 180.950]	Aah987w7 at Coordinates: (56,55) Eap99q15 at Coordinates: (62,249) Bar246e18 at Coordinates: (15,226) Aax00121 at Coordinates: (2,193) Bar99q17 at Coordinates: (81,243) Bar99q17 at Coordinates: (81,243) Eah246e9 at Coordinates: (82,99) Far00113 at Coordinates: (66,182) Bar99q17 at Coordinates: (81,243) Eah20014 at Coordinates: (81,243) Eay0014 at Coordinates: (10,10)	
10 rows in set (0.03 sec) Query OK, 0 rows affected (0.07 sec)							
	WID_IsSecure		NET_IsSwitched		NET_BandWidthsStats	SITE_Name_Location	
WDG#304 Pad WDG#314 Pad WDG#314 Device WDG#334 Device WDG#344 Terminal WDG#344 Device WDG#344 Pad WDG#364 Pad WDG#364 Pad	Open Secure Secure Secure Secure Open Secure Open Secure Open Secure	SAT DATA Network Brore03yNET_SAT is currently ONLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE SURV DATA Network Brore06vNET_SURV is currently OFFLINE CIV DATA Network Trerth01wNET_CIV is currently ONLINE TRACK DATA Network Brore01wNET_TRACK is currently OFFLINE SAT COMM Network Zebetis02xNET_SAT is currently OFFLINE CIV VIDEO Network Povebos04zNET_CIV is currently OFFLINE CIV VIDEO Network Povebos04zNET_CIV is currently OFFLINE CIV VIDEO Network Povebos04zNET_CIV is currently OFFLINE CIV VIDEO Network Zebetis05uNET_CIV is currently ONLINE SAT COMM Network Ginda02xNET_SAT is currently ONLINE	Switched Not Switched Switched Not Switched Switched Switched Switched Switched Not Switched Not Switched Switched	[128.000, 108.800, 160.000, 57.600] [809.000, 687.650, 1011.250, 364.050] [540.000, 459.000, 675.000, 243.000] [447.000, 379.950, 558.750, 201.150] [495.000, 420.750, 618.750, 222.750] [653.000, 555.050, 816.250, 293.850] [159.000, 135.150, 198.750, 71.550] [809.000, 687.650, 1011.250, 364.050]	[113.600, 1839.787, 42.890] [717.988, 73492.762, 271.100] [479.250, 32744.251, 180.950] [396.713, 22436.885, 149.790] [439.313, 27514.266, 165.870] [579.538, 47882.177, 218.820] [141.113, 2838.846, 53.280] [141.113, 2838.846, 53.280] [717.988, 73492.762, 271.100]	Day0018 at Coordinates: (54,218) Cax987w14 at Coordinates: (45,95) Eap0012 at Coordinates: (80,168) Eay0016 at Coordinates: (59,212) Cax987w14 at Coordinates: (45,95) Eap0012 at Coordinates: (80,168) Eap99q15 at Coordinates: (62,249) Far00113 at Coordinates: (66,182) Eay0014 at Coordinates: (66,182) Eay0018 at Coordinates: (54,218)	
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