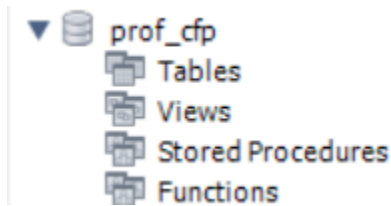


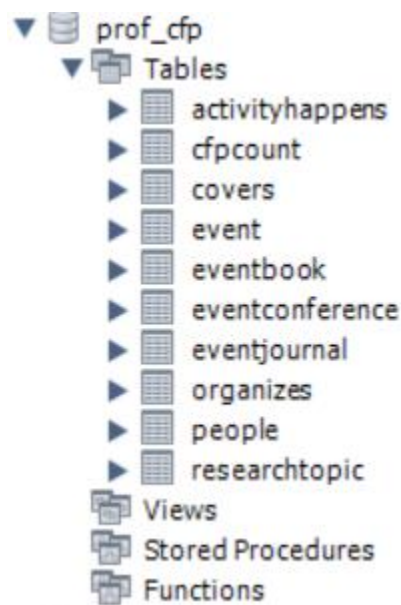
Assignment 2 Explanations

Question 1

a) Database tables before executing the script – no table exist



b) Database tables after executing the script – including new table called "cfpcount"



c) Success status of the script – which shows line by line commands executed in the query

#	Time	Action	Message	Duration / Fetch
✓ 1426	19:48:25	DROP DATABASE IF EXISTS 'prof_cfp'	0 row(s) affected	0.000 sec
✓ 1427	19:48:25	CREATE DATABASE 'prof_cfp'	1 row(s) affected	0.000 sec
✓ 1428	19:48:25	USE 'prof_cfp'	0 row(s) affected	0.000 sec
✓ 1429	19:48:25	CREATE TABLE Event (Name VARCHAR(100) NOT NULL, EventWebLink VARCHAR(100) NOT NULL, ...	0 row(s) affected	0.031 sec
✓ 1430	19:48:25	CREATE TRIGGER count_trigger_insert BEFORE INSERT ON Event FOR EACH ROW UPDATE CF...	0 row(s) affected	0.000 sec
✓ 1431	19:48:25	CREATE TRIGGER count_trigger_delete AFTER DELETE ON EVENT FOR EACH ROW UPDATE CFPC...	0 row(s) affected	0.016 sec
✓ 1432	19:48:25	CREATE TABLE EventConference (EventName VARCHAR(100) NOT NULL, City VARCHAR(100) NOT ...	0 row(s) affected	0.015 sec
✓ 1433	19:48:25	CREATE TRIGGER count_trigger_insert2 BEFORE INSERT ON EventConference FOR EACH ROW UP...	0 row(s) affected	0.000 sec
✓ 1434	19:48:25	CREATE TRIGGER count_trigger_delete2 AFTER DELETE ON EventConference FOR EACH ROW UPD...	0 row(s) affected	0.016 sec
✓ 1435	19:48:25	CREATE TABLE EventJournal (EventName VARCHAR(100) NOT NULL, JournalName VARCHAR(100) ...	0 row(s) affected	0.016 sec
✓ 1436	19:48:25	CREATE TRIGGER count_trigger_insert3 BEFORE INSERT ON EventJournal FOR EACH ROW UPDAT...	0 row(s) affected	0.015 sec
✓ 1437	19:48:25	CREATE TRIGGER count_trigger_delete3 AFTER DELETE ON EventJournal FOR EACH ROW UPDATE...	0 row(s) affected	0.000 sec
✓ 1438	19:48:25	CREATE TABLE EventBook (EventName VARCHAR(100) NOT NULL, Publisher VARCHAR(100) NOT N...	0 row(s) affected	0.016 sec
✓ 1439	19:48:25	CREATE TRIGGER count_trigger_insert4 BEFORE INSERT ON EventBook FOR EACH ROW UPDATE ...	0 row(s) affected	0.016 sec
✓ 1440	19:48:25	CREATE TRIGGER count_trigger_delete4 AFTER DELETE ON EventBook FOR EACH ROW UPDATE C...	0 row(s) affected	0.000 sec
✓ 1441	19:48:25	CREATE TABLE ActivityHappens(EventName VARCHAR(100) NOT NULL, ActivityName VARCHAR(100)...	0 row(s) affected	0.015 sec
✓ 1442	19:48:25	CREATE TABLE ResearchTopic (Name VARCHAR(100) NOT NULL, Area VARCHAR(100) NOT NULL, ...	0 row(s) affected	0.016 sec
✓ 1443	19:48:25	CREATE TABLE People (Name VARCHAR(100) NOT NULL, Affiliation VARCHAR(100), PRIMARY KEY (...	0 row(s) affected	0.015 sec
✓ 1444	19:48:25	CREATE TABLE Covers (EventName VARCHAR(100) NOT NULL, TopicName VARCHAR(100) NOT NU...	0 row(s) affected	0.032 sec
✓ 1445	19:48:25	CREATE TABLE Organizes (EventName VARCHAR(100) NOT NULL, PeopleName VARCHAR(100) NOT ...	0 row(s) affected	0.031 sec
✓ 1446	19:48:25	CREATE TABLE CFPCount (cfp_count smallint default 1 , event_type VARCHAR(100) DEFAULT 'Eve...	0 row(s) affected	0.016 sec

d) Output of “cfp_count” – tells the count of each event type based on the trigger implement on insert and delete of event type.

	cfp_count	event_type
▶	0	EventBook
	5	EventConference
	1	EventJournal
●	NULL	NULL

Question 2

a) Success status of inserting into the table -- which shows line by line commands executed in the query

#	Time	Action	Message	Duration / Fetch
✓ 1	20:47:02	USE 'prof_cfp'	0 row(s) affected	0.000 sec
✓ 2	20:47:02	INSERT INTO Event values ('The 3rd Workshop on Advances in IoT Architecture and Systems','https://sites....	1 row(s) affected	0.016 sec
✓ 3	20:47:02	INSERT INTO EventConference values ('The 3rd Workshop on Advances in IoT Architecture and Systems',...	1 row(s) affected	0.000 sec
✓ 4	20:47:02	INSERT INTO ActivityHappens values ('The 3rd Workshop on Advances in IoT Architecture and Systems...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.015 sec
✓ 5	20:47:02	INSERT INTO People values ('Ansuman Banerjee', 'Indian Statistical Institute'), ('Himadri Sekhar Paul'...	11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0	0.000 sec
✓ 6	20:47:02	INSERT INTO Organizes values ('The 3rd Workshop on Advances in IoT Architecture and Systems','Ansum...	11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0	0.000 sec
✓ 7	20:47:02	INSERT INTO ResearchTopic values ('IoT architecture for swarm robotics','IoT architecture for swarm ...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.016 sec
✓ 8	20:47:02	INSERT INTO Covers values ('The 3rd Workshop on Advances in IoT Architecture and Systems','IoT a...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec

Question 3

a)

Following is the student id from which I took question 2 code –

Student ID -- 217155466

Student ID -- 216853707

Student Name -- Shachak Rozeblat and Student Number: 216141459

Student ID -- 215353287

Student Name -- Michael Presman and Student ID: 217155466

b)

Success status of the script -- which shows line by line commands executed in the query.

#	Time	Action	Message	Duration / Fetch
1	20:48:12	USE 'prof_cdf'	0 row(s) affected	0.000 sec
2	20:48:12	INSERT INTO Event values ('The 3rd Workshop on Advances in IoT Architecture and Systems','https://sites.google.com/view/aiotas2019/','Our immediate aim is t...	1 row(s) affected	0.016 sec
3	20:48:12	INSERT INTO EventConference values ('The 3rd Workshop on Advances in IoT Architecture and Systems','Phoenix, Arizona','USA','2019-06-23')	1 row(s) affected	0.015 sec
4	20:48:12	INSERT INTO ActivityHappens values ('(The 3rd Workshop on Advances in IoT Architecture and Systems','Paper Submission','2019-04-1','(The 3rd Wor...	4 row(s) affected Records: 4 Duplicates: 0 Wamin...	0.016 sec
5	20:48:12	INSERT INTO People values ('Ansuman Banerjee','(Indian Statistical Institute)',('Himadri Sekhar Paul','(TCS Research & Innovation)'),('Chayan Sarkar...	11 row(s) affected Records: 11 Duplicates: 0 War...	0.000 sec
6	20:48:12	INSERT INTO Organizes values ('(The 3rd Workshop on Advances in IoT Architecture and Systems','Ansuman Banerjee','Organization Chairs'),('The 3rd Wor...	11 row(s) affected Records: 11 Duplicates: 0 War...	0.016 sec
7	20:48:12	INSERT INTO ResearchTopic values ('IoT architecture for swarm robotics','IoT architecture for swarm robotics '),('Edge computing architecture for IoT'...	4 row(s) affected Records: 4 Duplicates: 0 Wamin...	0.000 sec
8	20:48:12	INSERT INTO Covers values ('(The 3rd Workshop on Advances in IoT Architecture and Systems','IoT architecture for swarm robotics '),('The 3rd Worka...	4 row(s) affected Records: 4 Duplicates: 0 Wamin...	0.015 sec
9	20:48:12	INSERT INTO event(Name, EventWebLink, CFPText) VALUES ('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium','https://globecom20...	1 row(s) affected	0.000 sec
10	20:48:12	INSERT INTO People(Name, Affiliation) VALUES('Laurent Clavaglia','Nokia')	1 row(s) affected	0.000 sec
11	20:48:12	INSERT INTO People(Name, Affiliation) VALUES('Luca Foschini','University of Bologna')	1 row(s) affected	0.000 sec
12	20:48:12	INSERT INTO People(Name, Affiliation) VALUES('Alessio Botta','University of Naples')	1 row(s) affected	0.000 sec
13	20:48:12	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Laurent Clavagil...	1 row(s) affected	0.000 sec
14	20:48:12	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Luca Foschini', '...	1 row(s) affected	0.000 sec
15	20:48:12	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Alessio Botta', 'C...	1 row(s) affected	0.000 sec
16	20:48:12	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'P...	1 row(s) affected	0.000 sec
17	20:48:12	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'A...	1 row(s) affected	0.000 sec
18	20:48:12	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'C...	1 row(s) affected	0.000 sec
19	20:48:12	INSERT INTO researchtopic(Name, Area) VALUES('Networking for Cloud and Fog Computing', 'Networking')	1 row(s) affected	0.000 sec
20	20:48:12	INSERT INTO researchtopic(Name, Area) VALUES('Network Function Virtualization', 'Networking')	1 row(s) affected	0.000 sec
21	20:48:12	INSERT INTO researchtopic(Name, Area) VALUES('Internet of Things', 'Networking')	1 row(s) affected	0.000 sec
22	20:48:12	INSERT INTO eventconference(EventName, PeopleName, City, Country, Date) VALUES ('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Hawaii', '...	1 row(s) affected	0.000 sec
23	20:48:12	INSERT INTO covers(EventName, TopicName) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Networking for Cloud and ...	1 row(s) affected	0.000 sec
24	20:48:12	INSERT INTO covers(EventName, TopicName) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Network Function Virtual...	1 row(s) affected	0.000 sec
25	20:48:12	INSERT INTO covers(EventName, TopicName) VALUES('IEEE Globecom 2019 - Next Generation Networking and Internet Symposium', 'Internet of Things')	1 row(s) affected	0.000 sec
26	20:48:12	INSERT INTO EVENT (CFPText, EventWebLink, Name) VALUES ('('This Conference provides a chance for academic and industry professionals to discuss recent ...	1 row(s) affected	0.000 sec
27	20:48:12	INSERT INTO EventConference (city, country, Date, EventName) VALUES ('Avid College','Maldives','2019-06-16','Global Conference on Education and Social ...	1 row(s) affected	0.000 sec

Output

#	Time	Action	Message	Duration / Fetch
27	20:24:36	INSERT INTO people (Affiliation, Name) VALUES ('Association of Scientists, Developers and Faculties', 'Long Cai')	1 row(s) affected	0.000 sec
28	20:24:36	INSERT INTO organizes (EventName, PeopleName, Role) VALUES ('Global Conference on Education and Social Sciences 2019', 'Long Cai', 'Program Manager')	1 row(s) affected	0.000 sec
29	20:24:36	INSERT INTO ActivityHappens (ActivityDate, ActivityName, EventName) VALUES ('2019-04-30', 'Paper Submission', 'Global Conference on Education and Social Scien...	1 row(s) affected	0.000 sec
30	20:24:36	INSERT INTO Event VALUES ('Design and Analysis of Communication Interfaces for Industry 4.0', 'https://atcc.committees.comsoc.org/', 'The fourth industrial revolution...	1 row(s) affected	0.015 sec
31	20:24:36	INSERT INTO EventJournal VALUES('Design and Analysis of Communication Interfaces for Industry 4.0','IEEE JSAC Special Issue','IEEE JSAC')	1 row(s) affected	0.000 sec
32	20:24:36	INSERT INTO People VALUES('Syed A. R. Zaid','University of Leeds, UK')	1 row(s) affected	0.000 sec
33	20:24:36	INSERT INTO Organizes VALUES('Design and Analysis of Communication Interfaces for Industry 4.0', 'Syed A. R. Zaid', 'Guest Editor')	1 row(s) affected	0.000 sec
34	20:24:36	INSERT INTO ActivityHappens VALUES('Design and Analysis of Communication Interfaces for Industry 4.0', 'Manuscript Due', '2019-07-01')	1 row(s) affected	0.000 sec
35	20:24:36	INSERT INTO ResearchTopic VALUES ('Ultra-reliable Low-Latency Connectivity Interfaces for IIoT Networks', 'Design and Analysis')	1 row(s) affected	0.000 sec
36	20:24:36	INSERT INTO Covers VALUES ('Design and Analysis of Communication Interfaces for Industry 4.0', 'Ultra-reliable Low-Latency Connectivity Interfaces for IIoT Networks')	1 row(s) affected	0.000 sec
37	20:24:36	SET @event_name = 'The 15th IEEE International Conference on Green Computing and Communications'	0 row(s) affected	0.000 sec
38	20:24:36	insert into Event VALUES (@event_name, http://cse.stfx.ca/~cybematics/2019/greencom', 'Computing and communication systems and other IT infrastructures...	1 row(s) affected	0.000 sec
39	20:24:36	insert into EventConference VALUES (@event_name, 'Atlanta', 'USA', '2019-07-14')	1 row(s) affected	0.000 sec
40	20:24:36	insert into ActivityHappens VALUES (@event_name, 'Workshop Proposal Due', '2019-02-01')	1 row(s) affected	0.000 sec
41	20:24:36	insert into ActivityHappens VALUES (@event_name, 'Paper Submission Deadline', '2019-04-14')	1 row(s) affected	0.000 sec
42	20:24:36	insert into ActivityHappens VALUES (@event_name, 'Authors Notification', '2019-05-12')	1 row(s) affected	0.000 sec
43	20:24:36	insert into ActivityHappens VALUES (@event_name, 'Camera-Ready Paper Due', '2019-06-02')	1 row(s) affected	0.000 sec
44	20:24:36	SET @general_chair_role = 'General Chair'	0 row(s) affected	0.000 sec
45	20:24:36	SET @program_chair_role = 'Program Chair'	0 row(s) affected	0.000 sec
46	20:24:36	SET @program_vice_chair_role = 'Program Vice Chair'	0 row(s) affected	0.000 sec
47	20:24:36	SET @workshop_chair_role = 'Workshop Chair'	0 row(s) affected	0.000 sec
48	20:24:36	SET @publicity_chair_role = 'Publicity Chair'	0 row(s) affected	0.000 sec
49	20:24:36	SET @web_system_chair_role = 'Web and System Chair'	0 row(s) affected	0.000 sec
50	20:24:36	SET @person1 = 'Victor C. M. Leung'	0 row(s) affected	0.000 sec
51	20:24:36	insert into People VALUES (@person1, 'The University of British Columbia, Canada')	1 row(s) affected	0.000 sec
52	20:24:36	insert into Organizes VALUES (@event_name, @person1, @general_chair_role)	1 row(s) affected	0.000 sec
53	20:24:36	SET @person2 = 'Arumugam Nallanathan'	0 row(s) affected	0.000 sec
54	20:24:36	insert into People VALUES (@person2, 'Queen Mary University of London, UK')	1 row(s) affected	0.000 sec
55	20:24:36	insert into Organizes VALUES (@event_name, @person2, @general_chair_role)	1 row(s) affected	0.000 sec
56	20:24:36	SET @person3 = 'Dakai Zhu'	0 row(s) affected	0.000 sec
57	20:24:36	insert into People VALUES (@person3, 'University of Texas at San Antonio, USA')	1 row(s) affected	0.000 sec
58	20:24:36	insert into Organizes VALUES (@event_name, @person3, @general_chair_role)	1 row(s) affected	0.000 sec
59	20:24:36	SET @person4 = 'Alireza Ejali'	0 row(s) affected	0.000 sec
60	20:24:36	insert into People VALUES (@person4, 'Sharif University of Technology, Iran')	1 row(s) affected	0.000 sec
61	20:24:36	insert into Organizes VALUES (@event_name, @person4, @program_chair_role)	1 row(s) affected	0.015 sec
62	20:24:36	SET @person5 = 'Ashwin Ashok'	0 row(s) affected	0.000 sec
63	20:24:36	insert into People VALUES (@person5, 'Georgia State University, USA')	1 row(s) affected	0.000 sec
64	20:24:36	insert into Organizes VALUES (@event_name, @person5, @program_chair_role)	1 row(s) affected	0.000 sec
65	20:24:36	SET @person6 = 'Changqing Luo'	0 row(s) affected	0.000 sec
66	20:24:36	insert into People VALUES (@person6, 'Virginia Commonwealth University, USA')	1 row(s) affected	0.000 sec
67	20:24:36	insert into Organizes VALUES (@event_name, @person6, @program_chair_role)	1 row(s) affected	0.016 sec
68	20:24:36	SET @person7 = 'Shuhui Yang'	0 row(s) affected	0.000 sec
69	20:24:36	insert into People VALUES (@person7, 'Purdue University Northwest, USA')	1 row(s) affected	0.000 sec
70	20:24:36	insert into Organizes VALUES (@event_name, @person7, @program_vice_chair_role)	1 row(s) affected	0.016 sec
71	20:24:36	SET @person8 = 'Wei Song'	0 row(s) affected	0.000 sec
72	20:24:36	insert into People VALUES (@person8, 'North China University of Technology, China')	1 row(s) affected	0.000 sec
73	20:24:36	insert into Organizes VALUES (@event_name, @person8, @program_vice_chair_role)	1 row(s) affected	0.000 sec
74	20:24:36	SET @person9 = 'Ling Tian'	0 row(s) affected	0.000 sec
75	20:24:36	insert into People VALUES (@person9, 'University of Electronic Science and Technology of China, China')	1 row(s) affected	0.000 sec
76	20:24:36	insert into Organizes VALUES (@event_name, @person9, @program_vice_chair_role)	1 row(s) affected	0.015 sec
77	20:24:36	SET @person10 = 'Yanxiao Zhao'	0 row(s) affected	0.000 sec

78	20:24:36	insert into People VALUES (@person10, 'Virginia Commonwealth University, USA')	1 row(s) affected	0.000 sec
79	20:24:36	insert into Organizes VALUES (@event_name, @person10, @workshop_chair_role)	1 row(s) affected	0.000 sec
80	20:24:36	SET @person11 = 'Weixian Liao'	0 row(s) affected	0.000 sec
81	20:24:36	insert into People VALUES (@person11, 'Towson University, USA')	1 row(s) affected	0.000 sec
82	20:24:36	insert into Organizes VALUES (@event_name, @person11, @workshop_chair_role)	1 row(s) affected	0.000 sec
83	20:24:36	SET @person12 = 'Xi Li'	0 row(s) affected	0.000 sec
84	20:24:36	insert into People VALUES (@person12, 'Beijing University of Posts and Telecommunications, China')	1 row(s) affected	0.000 sec
85	20:24:36	insert into Organizes VALUES (@event_name, @person12, @workshop_chair_role)	1 row(s) affected	0.000 sec
86	20:24:36	SET @person13 = 'Joe Cecil'	0 row(s) affected	0.000 sec
87	20:24:36	insert into People VALUES (@person13, 'Oklahoma State University, USA')	1 row(s) affected	0.000 sec
88	20:24:36	insert into Organizes VALUES (@event_name, @person13, @publicity_chair_role)	1 row(s) affected	0.000 sec
89	20:24:36	SET @person14 = 'Yuhong Liu'	0 row(s) affected	0.000 sec
90	20:24:36	insert into People VALUES (@person14, 'Santa Clara University, USA')	1 row(s) affected	0.000 sec
91	20:24:36	insert into Organizes VALUES (@event_name, @person14, @publicity_chair_role)	1 row(s) affected	0.000 sec
92	20:24:36	SET @person15 = 'M. Ali Dewan'	0 row(s) affected	0.000 sec
93	20:24:36	insert into People VALUES (@person15, 'Athabasca University, Canada')	1 row(s) affected	0.000 sec
94	20:24:36	insert into Organizes VALUES (@event_name, @person15, @publicity_chair_role)	1 row(s) affected	0.000 sec
95	20:24:36	SET @person16 = 'Zhao Jiang'	0 row(s) affected	0.000 sec
96	20:24:36	insert into People VALUES (@person16, 'STFX, Canada')	1 row(s) affected	0.000 sec
97	20:24:36	insert into Organizes VALUES (@event_name, @person16, @web_system_chair_role)	1 row(s) affected	0.000 sec
98	20:24:36	SET @area1 = 'Green Computing and Communication Technologies'	0 row(s) affected	0.000 sec
99	20:24:36	SET @area2 = 'Smart Energy and Smart Grid'	0 row(s) affected	0.000 sec
100	20:24:36	SET @area3 = 'Green Society Applications'	0 row(s) affected	0.000 sec
101	20:24:36	SET @topic1a = 'Green infrastructure sustainable design and technologies'	0 row(s) affected	0.000 sec
102	20:24:36	insert into ResearchTopic VALUES (@topic1a, @area1)	1 row(s) affected	0.000 sec
103	20:24:36	insert into Covers VALUES (@event_name, @topic1a)	1 row(s) affected	0.016 sec
104	20:24:36	SET @topic1b = 'Energy- and power-constrained devices and gateways'	0 row(s) affected	0.000 sec
105	20:24:36	insert into ResearchTopic VALUES (@topic1b, @area1)	1 row(s) affected	0.000 sec
106	20:24:36	insert into Covers VALUES (@event_name, @topic1b)	1 row(s) affected	0.000 sec
107	20:24:36	SET @topic1c = 'Ultra-low power systems architectures'	0 row(s) affected	0.000 sec
108	20:24:36	insert into ResearchTopic VALUES (@topic1c, @area1)	1 row(s) affected	0.000 sec
109	20:24:36	insert into Covers VALUES (@event_name, @topic1c)	1 row(s) affected	0.015 sec
110	20:24:36	SET @topic1d = 'Low-power, distributed data processing on sensors'	0 row(s) affected	0.000 sec
111	20:24:36	insert into ResearchTopic VALUES (@topic1d, @area1)	1 row(s) affected	0.000 sec
112	20:24:36	insert into Covers VALUES (@event_name, @topic1d)	1 row(s) affected	0.000 sec
113	20:24:36	SET @topic1e = 'Energy-efficient M2M wired and wireless communications and networking'	0 row(s) affected	0.000 sec
114	20:24:36	insert into ResearchTopic VALUES (@topic1e, @area1)	1 row(s) affected	0.000 sec
115	20:24:36	insert into Covers VALUES (@event_name, @topic1e)	1 row(s) affected	0.016 sec
116	20:24:36	SET @topic1f = 'Optimization and/or analysis in green computing and communications'	0 row(s) affected	0.000 sec
117	20:24:36	insert into ResearchTopic VALUES (@topic1f, @area1)	1 row(s) affected	0.000 sec
118	20:24:36	insert into Covers VALUES (@event_name, @topic1f)	1 row(s) affected	0.000 sec
119	20:24:36	SET @topic1g = 'Green big data, cloud, and data center architecture'	0 row(s) affected	0.000 sec
120	20:24:36	insert into ResearchTopic VALUES (@topic1g, @area1)	1 row(s) affected	0.000 sec
121	20:24:36	insert into Covers VALUES (@event_name, @topic1g)	1 row(s) affected	0.000 sec
122	20:24:36	SET @topic1h = 'Green technologies for 5G (SDN, IoT, and crowdsourcing, etc.)'	0 row(s) affected	0.000 sec
123	20:24:36	insert into ResearchTopic VALUES (@topic1h, @area1)	1 row(s) affected	0.000 sec
124	20:24:36	insert into Covers VALUES (@event_name, @topic1h)	1 row(s) affected	0.000 sec
125	20:24:36	SET @topic1i = 'Energy harvesting communications and networks'	0 row(s) affected	0.000 sec
126	20:24:36	insert into ResearchTopic VALUES (@topic1i, @area1)	1 row(s) affected	0.000 sec
127	20:24:36	insert into Covers VALUES (@event_name, @topic1i)	1 row(s) affected	0.000 sec
128	20:24:36	SET @topic1j = 'Energy efficient networking, communications, and protocols'	0 row(s) affected	0.000 sec
129	20:24:36	insert into ResearchTopic VALUES (@topic1j, @area1)	1 row(s) affected	0.000 sec
130	20:24:36	insert into Covers VALUES (@event_name, @topic1j)	1 row(s) affected	0.000 sec
131	20:24:36	SET @topic2a = 'Smart metering infrastructure and technologies'	0 row(s) affected	0.000 sec
132	20:24:36	insert into ResearchTopic VALUES (@topic2a, @area2)	1 row(s) affected	0.000 sec
133	20:24:36	insert into Covers VALUES (@event_name, @topic2a)	1 row(s) affected	0.000 sec
134	20:24:36	SET @topic2b = 'Large-scale monitoring, control, and demand response'	0 row(s) affected	0.000 sec
135	20:24:36	insert into ResearchTopic VALUES (@topic2b, @area2)	1 row(s) affected	0.000 sec
136	20:24:36	insert into Covers VALUES (@event_name, @topic2b)	1 row(s) affected	0.000 sec
137	20:24:36	SET @topic2c = 'Advanced data fusion, mining, and modeling in smart grid'	0 row(s) affected	0.000 sec
138	20:24:36	insert into ResearchTopic VALUES (@topic2c, @area2)	1 row(s) affected	0.000 sec
139	20:24:36	insert into Covers VALUES (@event_name, @topic2c)	1 row(s) affected	0.000 sec
140	20:24:36	SET @topic2d = 'Management and control of distributed energy generation, storage, and consumption'	0 row(s) affected	0.000 sec
141	20:24:36	insert into ResearchTopic VALUES (@topic2d, @area2)	1 row(s) affected	0.000 sec
142	20:24:36	insert into Covers VALUES (@event_name, @topic2d)	1 row(s) affected	0.000 sec
143	20:24:36	SET @topic2e = 'Advanced smart grid applications: grid-to-vehicle and vehicle-to-grid, Micro-grid'	0 row(s) affected	0.000 sec
144	20:24:36	insert into ResearchTopic VALUES (@topic2e, @area2)	1 row(s) affected	0.000 sec
145	20:24:36	insert into Covers VALUES (@event_name, @topic2e)	1 row(s) affected	0.000 sec
146	20:24:36	SET @topic3a = 'Smart sensing systems'	0 row(s) affected	0.000 sec
147	20:24:36	insert into ResearchTopic VALUES (@topic3a, @area3)	1 row(s) affected	0.000 sec
148	20:24:36	insert into Covers VALUES (@event_name, @topic3a)	1 row(s) affected	0.000 sec
149	20:24:36	SET @topic3b = 'Smart city'	0 row(s) affected	0.000 sec
150	20:24:36	insert into ResearchTopic VALUES (@topic3b, @area3)	1 row(s) affected	0.000 sec
151	20:24:36	insert into Covers VALUES (@event_name, @topic3b)	1 row(s) affected	0.000 sec
152	20:24:36	SET @topic3c = 'Green vehicle, green home, green buildings, and green anything'	0 row(s) affected	0.000 sec
153	20:24:36	insert into ResearchTopic VALUES (@topic3c, @area3)	1 row(s) affected	0.016 sec
154	20:24:36	insert into Covers VALUES (@event_name, @topic3c)	1 row(s) affected	0.000 sec
155	20:24:36	SET @topic3d = 'Green industrial automation and control'	0 row(s) affected	0.000 sec

✓	156	20:24:36	insert into ResearchTopic VALUES (@topic3d, @area3)	1 row(s) affected	0.000 sec
✓	157	20:24:36	insert into Covers VALUES (@event_name, @topic3d)	1 row(s) affected	0.000 sec
✓	158	20:24:36	SET @topic3e = 'Intelligent Transport Systems and control'	0 row(s) affected	0.000 sec
✓	159	20:24:36	insert into ResearchTopic VALUES (@topic3e, @area3)	1 row(s) affected	0.000 sec
✓	160	20:24:36	insert into Covers VALUES (@event_name, @topic3e)	1 row(s) affected	0.000 sec
✓	161	20:24:36	SET @topic3f = 'Energy efficiency in aerial/UAV communication networks'	0 row(s) affected	0.000 sec
✓	162	20:24:36	insert into ResearchTopic VALUES (@topic3f, @area3)	1 row(s) affected	0.000 sec
✓	163	20:24:36	insert into Covers VALUES (@event_name, @topic3f)	1 row(s) affected	0.000 sec
✓	164	20:24:36	SET @topic3g = 'Green social networks'	0 row(s) affected	0.000 sec
✓	165	20:24:36	insert into ResearchTopic VALUES (@topic3g, @area3)	1 row(s) affected	0.000 sec
✓	166	20:24:36	insert into Covers VALUES (@event_name, @topic3g)	1 row(s) affected	0.016 sec
✓	167	20:24:36	SET @topic3h = 'Applications of blockchain in energy management and trading'	0 row(s) affected	0.000 sec
✓	168	20:24:36	insert into ResearchTopic VALUES (@topic3h, @area3)	1 row(s) affected	0.000 sec
✓	169	20:24:36	insert into Covers VALUES (@event_name, @topic3h)	1 row(s) affected	0.000 sec
✓	170	20:24:36	INSERT INTO event(Name, EventWebLink, CFPTText) VALUES ('1st International Workshop on Intelligent Systems for the Internet of Things', 'https://sites.google.com/view...', 'Dr. Vasos Vassiliou', 'University of Cyprus')	1 row(s) affected	0.000 sec
✓	171	20:24:36	INSERT INTO People(Name, Affiliation) VALUES('Dr. Stelios Timotheou', 'University of Cyprus')	1 row(s) affected	0.000 sec
✓	172	20:24:36	INSERT INTO People(Name, Affiliation) VALUES('Dr. Loizos Michael', 'Neapolis University of Paphos')	1 row(s) affected	0.000 sec
✓	173	20:24:36	INSERT INTO People(Name, Affiliation) VALUES('Dr. Loizos Michael', 'Neapolis University of Paphos')	1 row(s) affected	0.000 sec
✓	174	20:24:36	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Dr. Vasos Vassiliou', 'Progr...	1 row(s) affected	0.000 sec
✓	175	20:24:36	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Dr. Stelios Timotheou', 'Pr...	1 row(s) affected	0.000 sec
✓	176	20:24:36	INSERT INTO organizes(EventName, PeopleName, Role) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Dr. Loizos Michael', 'Progr...	1 row(s) affected	0.000 sec
✓	177	20:24:36	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('1st International Workshop on Intelligent Systems for the Internet of Things', 'Paper Sub...	1 row(s) affected	0.000 sec
✓	178	20:24:36	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('1st International Workshop on Intelligent Systems for the Internet of Things', 'Acceptanc...	1 row(s) affected	0.000 sec
✓	179	20:24:36	INSERT INTO activityhappens(EventName, ActivityName, ActivityDate) VALUES ('1st International Workshop on Intelligent Systems for the Internet of Things', 'Camera-Re...	1 row(s) affected	0.000 sec
✓	180	20:24:36	INSERT INTO researchtopic(Name, Area) VALUES('Computational Intelligence for the IoT', 'Internet of Things')	1 row(s) affected	0.000 sec
✓	181	20:24:36	INSERT INTO researchtopic(Name, Area) VALUES('Performance evaluation for the IoT', 'Internet of Things')	1 row(s) affected	0.000 sec

✓	182	20:24:36	INSERT INTO researchtopic(Name, Area) VALUES('Machine Learning in IoT', 'Internet of Things')	1 row(s) affected	0.016 sec
✓	183	20:24:36	INSERT INTO eventconference(EventName, City, Country, Date) VALUES ('1st International Workshop on Intelligent Systems for the Internet of Things', 'Santorini Island', '...	1 row(s) affected	0.000 sec
✓	184	20:24:36	INSERT INTO covers(EventName, TopicName) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Computational Intelligence for the IoT')	1 row(s) affected	0.000 sec
✓	185	20:24:36	INSERT INTO covers(EventName, TopicName) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Performance evaluation for the IoT')	1 row(s) affected	0.000 sec
✓	186	20:24:36	INSERT INTO covers(EventName, TopicName) VALUES('1st International Workshop on Intelligent Systems for the Internet of Things', 'Machine Learning in IoT')	1 row(s) affected	0.000 sec

Question 4

a) Output for Query 4a based on above data – This output shows the type of event and count of that event in a specific month based on lowest activity date for event journal, event book and event date for event conference.

Result Grid Filter Rows: Export: Wr			
	Event_Type	Name of Month, year	count(*)
►	EventJournal	July, 2019	1
	EventConference	May, 2019	1
	EventConference	June, 2019	2
	EventConference	December, 2019	1
	EventConference	July, 2019	1

b) Output for Query 4b based on above data – This output shows the event name of each event type which has lowest activity date.

Result Grid Filter Rows: Export: Wrap Cell Content:				
	Event_type	EventName	ActivityDate	ActivityName
►	EventConference	The 15th IEEE International Conference on Green Computing and Communications	2019-02-01	Workshop Proposal Due
	EventJournal	Design and Analysis of Communication Interfaces for Industry 4.0	2019-07-01	Manuscript Due

c) Success status of Query 4a and 4b – Note that there is only 1 query written for part 4a and part 4b respectively for bonus part.

Below is the action output which shows 2 commands executed in the query to meet the requirements of question 4a and 4b respectively.

Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
✓ 1	20:51:42	USE 'prof_cfp'	0 row(s) affected	0.000 sec
✓ 2	20:51:42	with Joined(month,ename,year) as (Select min(month(A.ActivityDate)), A.EventName, year(A.ActivityDate) FROM (SELECT DISTINCT ActivityHappens.EventName , (Activit...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 3	20:51:42	Select * FROM ((SELECT 'EventConference' as Event_type ,E.EventName, (ActivityDate)A.ActivityName FROM EventConference as E ,ActivityHappens as A WHERE E...	2 row(s) returned	0.000 sec / 0.000 sec