University of Prishtina

Faculty of Electrical and Computer Engineering

Kodra e Diellit, p.n.

10000 - Prishtinë, Kosova

Programi: Inxhinieri Kompjuterike

Baza e të dhënave

PROJEKTI**: BAZA E TË DHËNAVE PËR MENAXHIMIN E BIBLIOTEKËS**

(Faza e dytë dhe e tretë)

Mentorët:

Emri	Department	Location
Prof. Dr. Lule Ahmedi	Komp.	FIEK
Msc. Dalina Vranovci	Komp.	FIEK

Menaxhimi i dokumentit

Personat e autorizuar për të bërë ndryshime:

Endi Korca	Komp.	FIEK
Fatlum Fazliu	Komp.	FIEK
Yllka Bicaj	Komp.	FIEK
Yllka Shala	Komp.	FIEK

Dokumenti u krijua me veglat:

Microsoft Word for Windows
MySQL Workbench
Draw.io

Permbajtja

1. Databaza ne SQL

- create database biblioteka;
- use biblioteka;
  /* **Delete the tables if they already exist** */
- drop table if exists Lexuesi;
- drop table if exists Detajet;
- drop table if exists Punetori;
- drop table if exists Librat;
- drop table if exists Huazimi;
- drop table if exists Librat_Demtuar;
- drop table if exists Kredencialet;
- drop table if exists Kredencialetp;
- drop table if exists Komentet;

  /* **Create the schema for our tables** */
- create table Lexuesi(lid integer, emri varchar(30), mbiemri varchar(30), emri_prindit varchar(30), gjinia char, dt_lindjes date,
- rruga text, qyteti varchar(30), shteti varchar(30), tel_mob varchar(35), tel_fix varchar(35), kodi_postal text, email text,
- profesioni text);

- create table Detajet(lid integer, vitiregjistrimit integer, dataregjistrimit varchar(30), cmimi int,
- punetori_qe_ka_regjistruar varchar(60), anetarsim_aktiv bool, kushtezime text);

- create table Punetori(pid integer, emri varchar(30), mbiemri varchar(30), titulli varchar(70), rruga text, qyteti varchar(30),
- shteti varchar(30),tel_mob varchar(35), tel_fix varchar(35), kodi_postal text, email text, paga varchar(15));

- create table Librat(lbid integer, titulli varchar(150), autori varchar(60), zhanri varchar(30), nr_kopjeve int, data_pranimit date,
- punetori_regjistruar varchar(60));

- create table Huazimi(lid integer, lbid integer, dataehuazimit date, max_datakthimit date, datakthimit date,
- punetori_regjistruar varchar(60), verejtje text);

- create table Arkiva(aid integer, lbid integer, lid integer);
- create table Librat_Demtuar(ldid integer, titulli varchar(150), verejtje text, dataep date, punetori varchar(60));
- create table Kredencialet(kid integer, lid integer, email text, username varchar(30), passwordi varchar(70));
- create table Kredencialetp(kpid integer, pid integer, email text, username varchar(30), passwordi varchar(70));
- create table Komentet(cid integer, lbid integer, lid integer, data_komentit date, koha_komentit time, përmbajtja text);

/* *Populate the tables with our data* */
- insert into Lexuesi values(01, 'Albin', 'Tmava', 'Agim', 'M', '1997-07-20', 'Mbreti Bardhyl', 'Peje', 'Kosove', '+38349364030', '038237423', '30000', 'albin_tmava@gmail.com', 'Student');
- insert into Lexuesi values(02, 'Laura', 'Gashi', 'Ismet', 'F', '1997-02-22', 'Sefedin Maxhuni', 'Vushtrri', 'Kosove', '+38344364560', '038934578', '40000', 'lauragashi1@hotmail.com', 'Student');
- insert into Lexuesi values(03, 'Alba', 'Krasniqi', 'Afrim', 'F', '1997-05-08', 'Adem Jashari', 'Mitrovice', 'Kosove', '+38349573293', '038960879', '43000', 'alba.krasniqi@yahoo.com', 'Konsulent');
- insert into Lexuesi values(04, 'Zbulim', 'Zekaj', 'Gezim', 'M', '1997-09-04', '28 Nentori', 'Tirane', 'Shqiperi', '+38349483272', '038879768', '10000', 'zbulimzekaj@gmail.com', 'Programer');
- insert into Lexuesi values(05, 'Rina', 'Hajra', 'Valon', 'F', '1996-07-23', 'Paqja', 'Prizren', 'Kosove', '+38344382829', '038769077', '20000', 'rinahajra@live.com', 'Piktore');
- insert into Lexuesi values(06, 'Dea', 'Loxha', 'Bedri', 'F', '1985-05-14', 'Ahmet Konica', 'Prishtine', 'Kosove', '+38344637893', '038690787', '10000', 'dealoxha@gmail.com', 'Gjykatese');
- insert into Lexuesi values(07, 'Leon', 'Shala', 'Arsim', 'M', '1997-11-19', 'Jakov Xoxa', 'Prishtine', 'Kosove', '+38349343235', '038356689', '10000', 'leon_s@live.com', 'Student');
- insert into Lexuesi values(08, 'Art', 'Krasniqi', 'Emin', 'M', '1995-12-24', 'Lidhja e Prizrenit', 'Shkoder', 'Shqiperi', '+38344849924', '038588966', '4000', 'art.k@live.com', 'Ushtar');
- insert into Lexuesi values(09, 'Ard', 'Vokshi', 'Gani', 'M', '1972-10-21', 'Malush Kosova', 'Prishtine', 'Kosove', '+38349329580', '038783467', '10000', 'ard.vokshi@hotmail.com', 'Doktor');
- insert into Lexuesi values(10, 'Bekim', 'Pllana', 'Arben', 'M', '1996-08-09', 'Nene Tereza', 'Peje', 'Kosove', '+38349282474', '038769078', '30000', 'b_pllana@msn.com', 'Infermier');
- insert into Lexuesi values(11, 'Brikena', 'Devolli', 'Albin', 'F', '1997-04-08', 'Haxhi Zeka', 'Berat', 'Shqiperi', '+38349247862', '038087087', '6000', 'devolli_brikena@gmail.com', 'Kengetare');
- insert into Lexuesi values(12, 'Altin', 'Temaj', 'Lumir', 'M', '1992-03-09', 'Astrit Dehari', 'Mitrovice', 'Kosove', '+38344768794', '038789668', '40000', 'altintemaj9@gmail.com', 'Inxhinier');

- insert into Lexuesi values(13, 'Jetmira', 'Alija', 'Mergim', 'F', '1996-01-11', 'Ndue Perlleshi', 'Prishtine', 'Kosove', '+38349655497', '038087998', '10000', 'jetmira.aliaj@live.com', 'Papune');
- insert into Lexuesi values(14, 'Teuta', 'Sfishta', 'Sami', 'F', '1984-09-30', 'Azem Bejta', 'Mitrovice', 'Kosove', '+38344973358', '038698079', '40000', 'teuta.sfishta@msn.com', 'Profesoreshe');
- insert into Lexuesi values(15, 'Ekrem', 'Murati', 'Bashkim', 'M', '1987-04-12', 'Xhon Buja', 'Vushtrri', 'Kosove', '+38344876448', '038654754', '90000', 'ekrem_murati@protonmail.com', 'Kamarier');

- insert into Detajet values(01, 2018, '21 Maj', '5', 'Afrim Gashi', True, 'Perfundon me 31.12.2021');
- insert into Detajet values(02, 2019, '3 Qershor', '5', 'Gresa Haliti', True, 'Perfundon me 31.12.2022');
- insert into Detajet values(03, 2019, '11 Janar', '5', 'Gresa Haliti', False, 'Perfundon me 31.12.2020');
- insert into Detajet values(04, 2015, '15 Janar', '5', 'Afrim Gashi', True, 'Perfundon me 31.12.2021');
- insert into Detajet values(05, 2014, '14 Gusht', '5', 'Dea Rexha', False, 'Perfundon me 31.12.2020');
- insert into Detajet values(06, 2017, '1 Mars', '5', 'Afrim Gashi', True, 'Perfundon me 31.12.2023');
- insert into Detajet values(07, 2018, '29 Shtator', '5', 'Gresa Haliti', True, 'Perfundon me 31.12.2022');
- insert into Detajet values(08, 2021, '12 Dhjetor', '10', 'Gresa Haliti', True, 'Perfundon me 31.12.2022');
- insert into Detajet values(09, 2020, '26 Nentor', '10', 'Dea Rexha', False, 'Perfundon me 31.12.2020');
- insert into Detajet values(10, 2020, '2 Janar', '10', 'Dea Rexha', False, 'Perfundon me 31.12.2020');
- insert into Detajet values(11, 2016, '4 Korrik', '5', 'Afrim Gashi', True, 'Perfundon me 31.12.2021');
- insert into Detajet values(12, 2018, '19 Shkurt', '5', 'Afrim Gashi', False, 'Perfundon me 31.12.2019');
- insert into Detajet values(13, 2021, '5 Tetor', '10', 'Gresa Haliti', True, 'Perfundon me 31.12.2023');
- insert into Detajet values(14, 2014, '20 Prill', '5', 'Dea Rexha', False, 'Perfundon me 31.12.2018');
- insert into Detajet values(15, 2021, '8 Korrik', '10', 'Gresa Haliti', True, 'Perfundon me 31.12.2022');

- insert into Punetori values(201, 'Dea', 'Rexha', 'Anetarsime', 'Mbreti Bardhyl', 'Peje', 'Kosove', '+38349364030', '038237423', '30000', 'dea_rexha@gmail.com', '450€');
- insert into Punetori values(202, 'Gresa', 'Haliti', 'Anetarsime', 'Sefedin Maxhuni', 'Vushtrri', 'Kosove', '+38344364560', '038934578', '40000', 'gresahaliti@hotmail.com', '450€');
- insert into Punetori values(203, 'Afrim', 'Gashi', 'Anetarsime', 'Adem Jashari', 'Mitrovice', 'Kosove', '+38349573293', '038960879', '43000', 'afrimgashi1@yahoo.com', '450€');
- insert into Punetori values(204, 'Rina', 'Loxha', 'IT Support', '28 Nentori', 'Tirane', 'Shqiperi', '+38349483272', '038879768', '10000', 'rina.loxha@gmail.com', '550€');
- insert into Punetori values(205, 'Bedri', 'Hasani', 'IT Support', 'Paqja', 'Prizren', 'Kosove', '+38344382829', '038769077', '20000', 'bedrihasani@live.com', '550€');

- insert into Punetori values(206, 'Ahmet', 'Pllana' , 'Transport', 'Jakov Xoxa', 'Prishtine', 'Kosove', '+38349343235', '038356689', '10000', 'ahmet.p@gmail.com', '300€');
- insert into Punetori values(207, 'Ali', 'Temaj', 'Transport', 'Jakov Xoxa', 'Prishtine', 'Kosove', '+38344637893', '038356689', '10000', 'ali_temaj@live.com', '300€');
- insert into Punetori values(208, 'Kushtrim', 'Hoti', 'Hulumtimi i tregut', 'Lidhja e Prizrenit', 'Shkoder', 'Shqiperi', '+38344849924', '038588966', '4000', 'kushtrimhoti@live.com', '500€');
- insert into Punetori values(209, 'Albion', 'Aliu', 'Mirembajtje e uebfaqes', 'Malush Kosova', 'Prishtine', 'Kosove', '+38349329580', '038783467', '10000', 'aliu.albion@hotmail.com', '600€');
- insert into Punetori values(210, 'Dion', 'Voca', 'Mirembajtje e uebfaqes', 'Nene Tereza', 'Peje', 'Kosove', '+38349282474', '038769078', '30000', 'd_voca@msn.com', '600€');
- insert into Punetori values(211, 'Ermal', 'Kadriu', 'Hulumtimi i tregut', 'Haxhi Zeka', 'Berat', 'Shqiperi', '+38349247862', '038087087', '6000', 'ermalkadriu8@gmail.com', '500€');

- insert into Librat values(1221, 'Harry Potter', 'J.K. Rowling', 'Mister', 15, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1222, 'Lulja e Kujtimit', 'Foqjon Postoli', 'Drame', 10, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1223, 'Sikur te isha djale', 'Haki Stermilli', 'Histori', 5, '2020-05-04', 'Gresa Haliti');
- insert into Librat values(1224, 'The Toll', 'Neal Shusterman', 'Horror', 6, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1225, 'Ali Cross', 'James Patterson', 'Krim', 5, '2019-08-16', 'Dea Rexha');
- insert into Librat values(1226, 'Sister First', 'Jenna Bush Hager', 'Drame', 5, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1227, 'Wrecking Ball', 'Jeff Kinney', 'Ditar', 8, '2018-02-07', 'Dea Rexha');
- insert into Librat values(1228, 'Winterwood', 'Shea Ernshaw', 'Fantazi', 10, '2020-01-05', 'Gresa Haliti');
- insert into Librat values(1229, 'I have no secrets', 'Penny Joelson', 'Histori', 4, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1230, 'Blood Heir', 'Amelie Wen Zhao', 'Thriller', 2, '2019-03-04', 'Dea Rexha');
- insert into Librat values(1231, 'Epoca', 'Ivy Claire', 'Fantashkence', 12, '2020-07-18', 'Dea Rexha');
- insert into Librat values(1232, 'Shine', 'J.J Grabenstein', 'Shkence', 7, '2021-10-21', 'Afrim Gashi');
- insert into Librat values(1233, 'My Book With No Pictures', 'B.J. Novak', 'Dokumentar', 14, '2017-03-19', 'Gresa Haliti');
- insert into Librat values(1234, 'Plaku dhe Deti', 'Ernest Hemingway', 'Fantazi', 13, '2020-06-19', 'Gresa Haliti');
- insert into Librat values(1235, 'Sam Houston', 'Brian Kilmeade', 'Dokumentar', 15, '2021-05-11', 'Dea Rexha');

- insert into Huazimi values(01, 1225, '2021-10-06', '2021-10-21', '2021-10-15', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(04, 1225, '2021-10-05', '2021-10-20', '2021-10-06', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(05, 1228, '2020-12-01', '2020-12-16', '2020-12-13', 'Gresa Haliti', 'Nuk ka');
- insert into Huazimi values(05, 1225, '2021-10-09', '2021-10-24', '2021-10-21', 'Dea Loxha', 'Nuk ka');
- insert into Huazimi values(12, 1231, '2021-10-24', '2021-11-08', '2021-11-06', 'Gresa Haliti', 'Nuk ka');
- insert into Huazimi values(05, 1235, '2020-11-11', '2020-11-26', '2020-11-25', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(04, 1226, '2020-01-05', '2020-01-20', '2020-01-23', 'Dea Loxha', '3 dite vonese');
- insert into Huazimi values(04, 1230, '2020-08-07', '2020-08-22', '2020-08-28', 'Dea Loxha', '6 dite vonese');
- insert into Huazimi values(13, 1225, '2021-11-29', '2021-12-13', '2021-12-09', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(12, 1221, '2017-03-12', '2017-03-27', '2017-03-29', 'Gresa Hajra', '2 dite vonese');
- insert into Huazimi values(11, 1224, '2021-11-20', '2021-12-04', '2021-12-12', 'Afrim Gashi', '8 dite vonese');
- insert into Huazimi values(13, 1224, '2021-10-02', '2021-10-17', '2021-10-15', 'Dea Loxha', 'Nuk ka');
- insert into Huazimi values(10, 1228, '2020-11-05', '2020-07-20', '2020-07-18', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(07, 1224, '2021-12-10', '2021-12-25', '2021-12-23', 'Afrim Gashi', 'Nuk ka');
- insert into Huazimi values(06, 1222, '2021-11-03', '2021-11-18', '2021-11-16', 'Dea Loxha', 'Nuk ka');
- insert into Huazimi values(07, 1222, '2021-12-12', '2021-07-27', '2021-07-20', 'Gresa Haliti', 'Nuk ka');

- insert into Arkiva values(101, 1221, 05);
- insert into Arkiva values(102, 1222, 07);
- insert into Arkiva values(103, 1223, 05);
- insert into Arkiva values(104, 1224, 02);
- insert into Arkiva values(105, 1225, 03);
- insert into Arkiva values(106, 1226, 07);
- insert into Arkiva values(107, 1227, 04);
- insert into Arkiva values(108, 1228, 05);
- insert into Arkiva values(109, 1229, 11);
- insert into Arkiva values(110, 1230, 03);

- insert into Librat_Demtuar values(1236, 'Si te behesh i lumtur', 'Pakujdesia gjate leximit', '2021-06-24', 'Dea Rexha');
- insert into Librat_Demtuar values(1237, 'Ne te tre', 'Libri ka qene afer zjarrit', '2021-11-19', 'Dea Rexha');
- insert into Librat_Demtuar values(1238, 'Romeo dhe Juliet', 'Demtim i mehershem', '2020-01-15', 'Gresa Haliti');
- insert into Librat_Demtuar values(1239, 'Kur fryma behet ajer', 'Pakujdesia', '2021-03-05', 'Gresa Haliti');
- insert into Librat_Demtuar values(1240, 'Gremina e Dashurise', 'Pakujdesia', '2019-12-02', 'Afrim Gashi');
- insert into Librat_Demtuar values(1241, 'Nje lindje e veshtire', 'Perdorimi i mjeteve te gabuara', '2021-04-11', 'Gresa Haliti');
- insert into Librat_Demtuar values(1242, 'Foleja tragjike e dashurise', 'Demtimi nga kafshet shtepiake', '2021-12-22', 'Afrim Gashi');
- insert into Librat_Demtuar values(1243, 'Nje histori e shkurter e kohes', 'Demtimi nga kafshet shtepiake', '2018-06-17', 'Dea Rexha');
- insert into Librat_Demtuar values(1244, 'Sapiens', 'Pakujdesia', '2021-12-12', 'Dea Rexha');
- insert into Librat_Demtuar values(1245, 'Te menduarit shpejte dhe ngadale', 'Demtim i mehershem', '2017-05-14', 'Afrim Gashi');

- insert into Kredencialet values(301, 01, 'at@gmail.com', 'albintmava', 'albintmava1234');
- insert into Kredencialet values(302, 02, 'lg@gmail.com', 'Lauragashi', 'Lauragashi1234');
- insert into Kredencialet values(303, 03, 'ak@gmail.com', 'Albakrasniqi', 'Albakrasniqi');
- insert into Kredencialet values(304, 04, 'zz@hotmail.com', 'Zbulimzekaj', 'Zbulimzekaj1234');
- insert into Kredencialet values(305, 05, 'rh@hotmail.com', 'Rinahajra', 'rinahajra1234');
- insert into Kredencialet values(306, 06, 'dl@gmail.com', 'Deahoxha', 'Deahoxha1234');
- insert into Kredencialet values(307, 07, 'lsh@hotmail.com', 'Leonshala', 'Leonshala1234');
- insert into Kredencialet values(308, 08, 'akr@gmail.com', 'Artkrasniqi', 'Artkrasniqi1234');
- insert into Kredencialet values(309, 09, 'av@gmail.com', 'ardvokshi', 'ardvokshi1234');
- insert into Kredencialet values(310, 10, 'bp@gmail.com', 'bekimpllana', 'bekimpllana1234');
- insert into Kredencialet values(311, 11, 'bd@hotmail.com', 'Brikenadevolli', 'Brikenadevolli1234');
- insert into Kredencialet values(312, 12, 'at@gmail.com', 'Altintemaj', 'Altintemaj1234');
- insert into Kredencialet values(313, 13, 'ja@gmail.com', 'Jetmiraalija', 'Jetmiraalija1234');
- insert into Kredencialet values(314, 14, 'ts@gmail.com', 'Teutasfishta', 'Teutasfishta1234');
- insert into Kredencialet values(315, 15, 'em@hotmail.com', 'Ekremmurati', 'Ekremmurati1234');

- insert into Kredencialetp values(401, 201, 'afrim.g@gmail.com', 'afrimgashi', 'afrimgashi1234');
- insert into Kredencialetp values(402, 202, 'dea.r@gmail.com', 'gresahaliti', 'gresahaliti1234');
- insert into Kredencialetp values(403, 203, 'gresa.h@gmail.com', 'gresahaliti', 'gresahaliti1234');
- insert into Kredencialetp values(404, 204, 'dion.v@hotmail.com', 'dionvoca', 'dionvoca1234');
- insert into Kredencialetp values(405, 205, 'albion.a@hotmail.com', 'albionaliu', 'albionaliu1234');
- insert into Kredencialetp values(406, 206, 'kushtrim.h@gmail.com', 'kushtrimhoti', 'kushtrimhoti1234');
- insert into Kredencialetp values(407, 207, 'ermal.k@hotmail.com', 'ermalkadriu', 'ermalkadriu1234');
- insert into Kredencialetp values(408, 208, 'ahmet.p@gmail.com', 'ahmetpllana', 'ahmetpllana1234');
- insert into Kredencialetp values(409, 209, 'ali.t@gmail.com', 'alitemaj', 'alitemaj1234');
- insert into Kredencialetp values(410, 210, 'bedri.h@gmail.com', 'bedrihasani', 'bedrihasani1234');
- insert into Kredencialetp values(411, 211, 'rina.l@live.com', 'rinaloxha', 'rinaloxha1234');

- insert into Komentet values(10201, 1221, 07, '2019-01-11', '13:55:12', 'Liber fantastik');
- insert into Komentet values(10202, 1222, 06, '2021-02-24', '23:44:32', 'Ka mundur me mire');
- insert into Komentet values(10203, 1223, 09, '2021-03-29', '10:12:34', '6-10, mesatar');
- insert into Komentet values(10204, 1224, 05, '2020-04-02', '12:45:44', 'Me pelqeu shume');
- insert into Komentet values(10205, 1225, 15, '2021-05-07', '16:20:12', 'Nje nder me te miret');
- insert into Komentet values(10206, 1226, 08, '2017-04-15', '09:23:39', 'Shume i gjate!');
- insert into Komentet values(10207, 1227, 02, '2021-12-12', '19:23:55', 'Stroje interesate!');
- insert into Komentet values(10208, 1228, 12, '2020-01-03', '01:10:12', 'Me pelqeu!');
- insert into Komentet values(10209, 1229, 13, '2021-08-14', '13:45:48', 'Mjaft i mire!');
- insert into Komentet values(10210, 1230, 12, '2018-10-09', '07:34:12', 'Fantastik');
- insert into Komentet values(10211, 1231, 15, '2019-11-02', '23:19:42', 'Jo aq i mire');
- insert into Komentet values(10212, 1232, 04, '2021-11-25', '16:32:11', 'Perfekt');
- insert into Komentet values(10213, 1233, 07, '2017-09-13', '22:24:25', 'Autor i mrekullueshem');
- insert into Komentet values(10214, 1234, 06, '2021-06-22', '03:07:08', 'Shume i mire');
- insert into Komentet values(10215, 1235, 09, '2019-07-16', '20:10:12', '9-10, me pelqeu shume!');

2.   SQL query-it

Listoni të gjithë lexuesit që janë nga qyteti i Prishtinës.

- SELECT * FROM biblioteka.lexuesi where qyteti like '%Prishtine%';

Cilët lexues (Emrin dhe Mbiemrin e tyre) kanë huazuar te pakten dy libra gjate vitit 2020?

- SELECT Lexuesi.emri, Lexuesi.mbiemri , COUNT(huazimi.lbid) As NumriILibraveTeHuazuara FROM
- (Huazimi INNER JOIN Lexuesi ON Huazimi.lid = Lexuesi.lid)
- WHERE DATE(huazimi.dataehuazimit) = '2020'
- GROUP BY emri
- HAVING COUNT(Huazimi.lid) >= 2;

Listoni lexuesit te cilet e kane vonuar kthimin e librit ne afatin 15 ditesh per vitin 2020 ose 2021.

- select * from lexuesi, huazimi
- where year(huazimi.dataehuazimit)='2020' and
- (huazimi.datakthimit-huazimi.max_datakthimit)>0 and
- lexuesi.lid = huazimi.lid union
- select * from lexuesi, huazimi
- where year(huazimi.dataehuazimit)='2021' and
- (huazimi.datakthimit-huazimi.max_datakthimit) >0 and
- lexuesi.lid = huazimi.lid;

Listoni ID-të dhe titullin e librave qe ne vitin 2019 ose 2020 jane huazuar se paku nje here kurse ne vitin 2021 asnjehere .

- select distinct librat.lbid, librat.titulli
- from librat, huazimi
- where librat.lbid=huazimi.lbid
- and (year(huazimi.dataehuazimit)='2019' or
- year(huazimi.dataehuazimit)='2020')
- and huazimi.lbid not in
- (select huazimi.lbid
- from huazimi
- where year(huazimi.dataehuazimit)='2021')

/*Query 5*/

Listoni top 5 lexuesit me numrin me te madh të huazimeve në 3 muajt e fundit. Lista të paraqes të dhënat e lexusit duke përfshirë emrin e mbiemrin si dhe numrin e huazimeve që ka realizuar.

- Select l.emri,l.mbiemri,h.lid, count(*) "Numri i huazimeve"
- from huazimi h, lexuesi l
- where l.lid = h.lid
- group by h.lid
- order by count(*) desc
- limit 5;

/*Query 6*/

Gjeni shumen e fituar nga te gjitha anetaresimet, te ndare ne vite 2019,2020,2021. Rezultati duhet te jete nje tabele te ka fushat Viti, Shuma.

- select vitiregjistrimit, sum(cmimi)
- from detajet
- where vitiregjistrimit = 2019
- union
- select vitiregjistrimit, sum(cmimi)
- from detajet
- where vitiregjistrimit = 2020
- union
- select vitiregjistrimit, sum(cmimi)
- from detajet
- where vitiregjistrimit = 2021;

/*Query 7*/

Për secilin lexues paraqitni (në një listë të vetme), per vitin aktual: Emri, mbiemri, numrin e librave qe ka huazuar, zhanri i preferuar, sa here e ka vonuar librin(nese ska vonesa, numri eshte 0)

- select
- lexuesi.emri,
- lexuesi.mbiemri,
- librat.zhanri,
- count(*) as lid
- from biblioteka.huazimi
- inner join biblioteka.librat on librat.lbid = huazimi.lbid

- inner join biblioteka.lexuesi on
- lexuesi.lid=huazimi.lid
- group by lexuesi.lid
- having count(*) in(
- select distinct count(*)
- from biblioteka.huazimi
- where year(huazimi.dataehuazimit)='2021'
- group by lid
- order by count(*) desc);

/*Query 8*/

Gjeni top librin me te lexuar per vitin aktual.

- select librat.titulli as emri,
- count(*) as lbid
- from biblioteka.huazimi
- inner join biblioteka.librat on librat.lbid=huazimi.lbid
- group by librat.lbid
- having count(*) in
- (
- select distinct count(*)
- from biblioteka.huazimi
- where year(huazimi.dataehuazimit)='2021'
- group by lbid
- order by count(*) desc
-)
- order by lbid desc limit 1;

/*Query 9*/

Cili eshte autori me i preferuar nga lexuesit?

- Select h.lbid, l.Autori
- from huazimi h, librat l
- where h.lbid = l.lbid
- group by h.lbid
- having count(*) >= All(Select count(*)
-                                    from huazimi h
-                                    group by h.lbid);

Faza e trete

1.   Wiews, triggers, stored procedures dhe funksionet

- show databases;
- use biblioteka;

  /* View table per te caktuar lexuesit qe vijne nga qyteti i Prishtines */
- CREATE VIEW lexuesit_prishtine AS
- (select * from lexuesi l
- where l.qyteti = 'Prishtine');

  /* View table per te caktuar lexuesit qe kane paguar 5EUR per regjistrim */
- CREATE VIEW cmimi_regjistrimit_5 AS
- (select * from detajet d
- where d.cmimi = 5);

  /* Trigger nese cmimi eshte me i vogel se 10 */
- delimiter $$
- create trigger CheckPrice before insert on detajet
- for each row
- begin
- IF NEW.cmimi < 10
- Then signal sqlstate '45000'
- set message_text = 'Cmimi duhet te jete me i madh se 10';
- END IF;
- end $$
- delimiter $$;

/* Trigger ne rast se numri i kopjeve te librit nuk eshte me i madh ose barabarte me 1 */

- delimiter $$
- create trigger CheckQuantity before insert on librat
- for each row
- begin
- IF NEW.nr_kopjeve < 1
- Then signal sqlstate '45000'
- set message_text = 'Numri i kopjeve te librit duhet te jete te pakten 1';
- END IF;
- end $$
- delimiter $$;

/* Stored procedure per te listuar punetoret qe bejne anetarsime */

- delimiter //
- create procedure Punetoret_Anetarsime()
- begin
- select * from punetori p
- where p.titulli = "Anetarsime";
- end //
- delimiter ;

/* Stored procedure per te edituar adresen e lexuesit */

- delimiter //
- create procedure EditAddress(parameter_lid int, parameter_rruga varchar(70), parameter_qyteti varchar(50),
- parameter_shteti varchar(50))
- begin
- Update lexuesi
- set rruga = parameter_rruga,
- qyteti = parameter_qyteti,
- shteti = parameter_shteti
- where lid = parameter_lid;
- end //
- delimiter ;

/* Funksion per te treguar profitin pas pagese se taksave */

- DELIMITER $$
- CREATE FUNCTION Profiti_pas_taksave(a decimal, b decimal, c decimal)
- RETURNS decimal deterministic
- BEGIN
- RETURN (a+b+c) - (a+b+c)*0.18;
- END $$
- DELIMITER ;

2.   ER diagrami