| Insert | 1. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts;   INSERT INTO `Adashchyk\_Warehouse`.`owner\_contacts` (`idowner\_contacts`, `owner\_id`, `telephone`, `e-mail`) VALUES ('1', '1', '123456', '1@mail.com');   1. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; INSERT INTO `Adashchyk\_Warehouse`.`owner\_contacts` (`idowner\_contacts`, `owner\_id`, `telephone`, `e-mail`) VALUES ('2', '2', '123457', '2@mail.com'); 2. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; INSERT INTO `Adashchyk\_Warehouse`.`owner\_contacts` (`idowner\_contacts`, `owner\_id`, `telephone`, `e-mail`) VALUES ('3', '3', '123458', '[3@mail.com](mailto:3@mail.com)'); 3. SELECT \* FROM Adashchyk\_Warehouse.Owner; INSERT INTO `Adashchyk\_Warehouse`.`Owner` (`idOwner`, `Name`, `adress`, `accounting\_details`, `contacts\_id`, `owner\_contacts\_idowner\_contacts`) VALUES ('1', 'A', 'Paper street 1', 'Tax number 123456', '1', '1'); 4. SELECT \* FROM Adashchyk\_Warehouse.Owner; INSERT INTO `Adashchyk\_Warehouse`.`Owner` (`idOwner`, `Name`, `adress`, `accounting\_details`, `contacts\_id`, `owner\_contacts\_idowner\_contacts`) VALUES ('2', 'B', 'Paper street 2', 'Tax number 123457', '2', '2'); 5. SELECT \* FROM Adashchyk\_Warehouse.Owner; INSERT INTO `Adashchyk\_Warehouse`.`Owner` (`idOwner`, `Name`, `adress`, `accounting\_details`, `contacts\_id`, `owner\_contacts\_idowner\_contacts`) VALUES ('3', 'C', 'Paper street 3', 'Tax number 123458', '3', '3'); 6. SELECT \* FROM Adashchyk\_Warehouse.worktime;  INSERT INTO `Adashchyk\_Warehouse`.`worktime` (`work\_time\_id`, `worktime`) VALUES ('1', '00:00-08:00'); 7. SELECT \* FROM Adashchyk\_Warehouse.worktime; INSERT INTO `Adashchyk\_Warehouse`.`worktime` (`work\_time\_id`, `worktime`) VALUES ('2', '08:00-16:00'); 8. SELECT \* FROM Adashchyk\_Warehouse.worktime; INSERT INTO `Adashchyk\_Warehouse`.`worktime` (`work\_time\_id`, `worktime`) VALUES ('3', '16:00-00:00'); 9. SELECT \* FROM Adashchyk\_Warehouse.Activity; INSERT INTO `Adashchyk\_Warehouse`.`Activity` (`activity\_id`, `Activity`) VALUES ('1', 'Work'); 10. SELECT \* FROM Adashchyk\_Warehouse.Activity; INSERT INTO `Adashchyk\_Warehouse`.`Activity` (`activity\_id`, `Activity`) VALUES ('2', 'Vacation'); 11. SELECT \* FROM Adashchyk\_Warehouse.Activity; INSERT INTO `Adashchyk\_Warehouse`.`Activity` (`activity\_id`, `Activity`) VALUES ('3', 'Ill'); 12. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; INSERT INTO `Adashchyk\_Warehouse`.`work\_Status` (`idwork\_Status`, `worktime\_work\_time\_id`, `Activity\_activity\_id`) VALUES ('1', '1', '1'); 13. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; INSERT INTO `Adashchyk\_Warehouse`.`work\_Status` (`idwork\_Status`, `worktime\_work\_time\_id`, `Activity\_activity\_id`) VALUES ('2', '2', '1'); 14. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; INSERT INTO `Adashchyk\_Warehouse`.`work\_Status` (`idwork\_Status`, `worktime\_work\_time\_id`, `Activity\_activity\_id`) VALUES ('3', '3', '1'); |
| --- | --- |
| Update | 1. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; UPDATE `Adashchyk\_Warehouse`.`work\_Status` SET `Activity\_activity\_id` = '2' WHERE (`idwork\_Status` = '3'); 2. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; UPDATE `Adashchyk\_Warehouse`.`work\_Status` SET `Activity\_activity\_id` = '2' WHERE (`idwork\_Status` = '2'); 3. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; UPDATE `Adashchyk\_Warehouse`.`owner\_contacts` SET `telephone` = '123450' WHERE (`idowner\_contacts` = '1'); 4. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; UPDATE `Adashchyk\_Warehouse`.`owner\_contacts` SET `telephone` = '123451' WHERE (`idowner\_contacts` = '2'); 5. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; UPDATE `Adashchyk\_Warehouse`.`owner\_contacts` SET `telephone` = '123459' WHERE (`idowner\_contacts` = '3'); 6. SELECT \* FROM Adashchyk\_Warehouse.Owner; UPDATE `Adashchyk\_Warehouse`.`Owner` SET `accounting\_details` = 'Tax number 123400' WHERE (`idOwner` = '1'); 7. SELECT \* FROM Adashchyk\_Warehouse.Owner; UPDATE `Adashchyk\_Warehouse`.`Owner` SET `accounting\_details` = 'Tax number 123411' WHERE (`idOwner` = '2'); 8. SELECT \* FROM Adashchyk\_Warehouse.Owner; UPDATE `Adashchyk\_Warehouse`.`Owner` SET `accounting\_details` = 'Tax number 123422' WHERE (`idOwner` = '3'); 9. SELECT \* FROM Adashchyk\_Warehouse.Activity; UPDATE `Adashchyk\_Warehouse`.`Activity` SET `Activity` = 'Hollyday' WHERE (`activity\_id` = '2'); 10. SELECT \* FROM Adashchyk\_Warehouse.Activity; UPDATE `Adashchyk\_Warehouse`.`Activity` SET `Activity` = 'Fired' WHERE (`activity\_id` = '3'); |
| Delete | 1. SELECT \* FROM Adashchyk\_Warehouse.Activity; DELETE FROM `Adashchyk\_Warehouse`.`Activity` WHERE (`activity\_id` = '3'); 2. SELECT \* FROM Adashchyk\_Warehouse.Activity; DELETE FROM `Adashchyk\_Warehouse`.`Activity` WHERE (`activity\_id` = '2'); 3. SELECT \* FROM Adashchyk\_Warehouse.Owner; DELETE FROM `Adashchyk\_Warehouse`.`Owner` WHERE (`idOwner` = '3'); 4. SELECT \* FROM Adashchyk\_Warehouse.Owner; DELETE FROM `Adashchyk\_Warehouse`.`Owner` WHERE (`idOwner` = '2'); 5. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; DELETE FROM `Adashchyk\_Warehouse`.`owner\_contacts` WHERE (`idowner\_contacts` = '2'); 6. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts; DELETE FROM `Adashchyk\_Warehouse`.`owner\_contacts` WHERE (`idowner\_contacts` = '3'); 7. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; DELETE FROM `Adashchyk\_Warehouse`.`work\_Status` WHERE (`idwork\_Status` = '3'); 8. SELECT \* FROM Adashchyk\_Warehouse.work\_Status; DELETE FROM `Adashchyk\_Warehouse`.`work\_Status` WHERE (`idwork\_Status` = '2'); 9. SELECT \* FROM Adashchyk\_Warehouse.worktime; DELETE FROM `Adashchyk\_Warehouse`.`worktime` WHERE (`work\_time\_id` = '3'); 10. SELECT \* FROM Adashchyk\_Warehouse.worktime; DELETE FROM `Adashchyk\_Warehouse`.`worktime` WHERE (`work\_time\_id` = '2'); |
| Altertable | 1. ALTER TABLE Adashchyk\_Warehouse.owner\_contacts   ADD COLUMN Person Varchar(45);   1. ALTER TABLE Adashchyk\_Warehouse.owner\_contacts   DROP COLUMN Person;   1. ALTER TABLE Adashchyk\_Warehouse.owner\_contacts   ADD COLUMN l REAL;   1. ALTER TABLE Adashchyk\_Warehouse.owner\_contacts   CHANGE COLUMN l VARCHAR(45);   1. ALTER TABLE `Adashchyk\_Warehouse`.`owner\_contacts`   ADD COLUMN `kk` DATETIME NULL AFTER `e-mail`;   1. ALTER TABLE `Adashchyk\_Warehouse`.`owner\_contacts`   CHANGE COLUMN `kk` `kk` INT NOT NULL ;   1. ALTER TABLE `Adashchyk\_Warehouse`.`owner\_contacts`   DROP COLUMN `kk`;   1. Alter table Adashchyk\_Warehouse.Storekeeper add column salary varchar(45); |
| WHERE | 1. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts   WHERE 'e-mail'='2@mail.com';   1. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts   WHERE 'telephone'='123450';   1. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts WHERE owner\_id=1; 2. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts WHERE idowner\_contacts=1; 3. SELECT \* FROM Adashchyk\_Warehouse.owner\_contacts WHERE 'e-mail'='1@mail.com'; |
| HAVING | 1. SELECT 'Name', AVG(salary) AS avg\_salary   FROM Adashchyk\_Warehouse.Storekeeper  group by 'Name'  HAVING AVG(salary) > 100;   1. SELECT 'Name', max(salary) AS max\_salary   FROM Adashchyk\_Warehouse.Storekeeper  group by 'Name'  HAVING max(salary) > 200;   1. SELECT 'Name', min(salary) AS min\_salary   FROM Adashchyk\_Warehouse.Storekeeper  group by 'Name'  HAVING min(salary) <> 100;   1. SELECT 'Name', count(salary) AS count\_salary   FROM Adashchyk\_Warehouse.Storekeeper  group by 'Name'  HAVING count(salary) <>1;   1. SELECT 'Name', sum(salary) AS min\_salary   FROM Adashchyk\_Warehouse.Storekeeper  group by 'Name'  HAVING sum(salary) <>1; |
| LEFT JOIN | 1.SELECT telephone, email, Name  FROM Adashchyk\_Warehouse.owner\_contacts  LEFT JOIN Adashchyk\_Warehouse.Owner  ON owner\_contacts.idowner\_contacts=Owner.idOwner;  2. SELECT Name, date  FROM Adashchyk\_Warehouse.Storekeeper  LEFT JOIN Adashchyk\_Warehouse.MonthN\_schedule  ON Storekeeper.MonthN\_schedule\_idMonthN\_schedule=MonthN\_schedule.idMonthN\_schedule;  3.SELECT date\_of\_income, idOwner  FROM Adashchyk\_Warehouse.goods  LEFT JOIN Adashchyk\_Warehouse.Owner  ON goods.Owner\_idOwner=Owner.idOwner;  4.SELECT date\_of\_income, types\_of\_goodscol  FROM Adashchyk\_Warehouse.goods  LEFT JOIN Adashchyk\_Warehouse.type  ON goods.type\_idtypes\_of\_goods=type.idtypes\_of\_goods;  5.SELECT date\_of\_income, salary  FROM Adashchyk\_Warehouse.goods  LEFT JOIN Adashchyk\_Warehouse.Storekeeper  ON goods.Storekeeper\_idStorekeeper=Storekeeper.idStorekeeper; |
| Right join | 1.SELECT telephone, email, Name  FROM Adashchyk\_Warehouse.owner\_contacts  Right JOIN Adashchyk\_Warehouse.Owner  ON owner\_contacts.idowner\_contacts=Owner.idOwner;  2. SELECT Name, date  FROM Adashchyk\_Warehouse.Storekeeper  Right JOIN Adashchyk\_Warehouse.MonthN\_schedule  ON Storekeeper.MonthN\_schedule\_idMonthN\_schedule=MonthN\_schedule.idMonthN\_schedule;  3.SELECT date\_of\_income, idOwner  FROM Adashchyk\_Warehouse.goods  right JOIN Adashchyk\_Warehouse.Owner  ON goods.Owner\_idOwner=Owner.idOwner;  4.SELECT date\_of\_income, types\_of\_goodscol  FROM Adashchyk\_Warehouse.goods  right JOIN Adashchyk\_Warehouse.type  ON goods.type\_idtypes\_of\_goods=type.idtypes\_of\_goods;  5.SELECT date\_of\_income, salary  FROM Adashchyk\_Warehouse.goods  right JOIN Adashchyk\_Warehouse.Storekeeper  ON goods.Storekeeper\_idStorekeeper=Storekeeper.idStorekeeper; |
| Inner join | 1.SELECT telephone, email, Name  FROM Adashchyk\_Warehouse.owner\_contacts  Inner JOIN Adashchyk\_Warehouse.Owner  ON owner\_contacts.idowner\_contacts=Owner.idOwner;  2. SELECT Name, date  FROM Adashchyk\_Warehouse.Storekeeper  Inner JOIN Adashchyk\_Warehouse.MonthN\_schedule  ON Storekeeper.MonthN\_schedule\_idMonthN\_schedule=MonthN\_schedule.idMonthN\_schedule;  3.SELECT date\_of\_income, idOwner  FROM Adashchyk\_Warehouse.goods  Inner JOIN Adashchyk\_Warehouse.Owner  ON goods.Owner\_idOwner=Owner.idOwner;  4.SELECT date\_of\_income, types\_of\_goodscol  FROM Adashchyk\_Warehouse.goods  Inner JOIN Adashchyk\_Warehouse.type  ON goods.type\_idtypes\_of\_goods=type.idtypes\_of\_goods;  5.SELECT date\_of\_income, salary  FROM Adashchyk\_Warehouse.goods  Inner JOIN Adashchyk\_Warehouse.Storekeeper  ON goods.Storekeeper\_idStorekeeper=Storekeeper.idStorekeeper |
| BIG Join | SELECT date\_of\_income, salary, date, idwork\_Status, worktime, Activity, idlocation, racknumber, row\_number, cell\_number, adress, telephone  FROM Adashchyk\_Warehouse.goods  Left outer JOIN Adashchyk\_Warehouse.Storekeeper  ON goods.Storekeeper\_idStorekeeper=Storekeeper.idStorekeeper  Left outer JOIN Adashchyk\_Warehouse.MonthN\_schedule  ON Storekeeper.MonthN\_schedule\_idMonthN\_schedule=MonthN\_schedule.idMonthN\_schedule  Left outer JOIN Adashchyk\_Warehouse.work\_Status  ON MonthN\_schedule.work\_Status\_idwork\_Status=work\_Status.idwork\_Status  Left outer JOIN Adashchyk\_Warehouse.worktime  ON work\_Status.worktime\_work\_time\_id=worktime.work\_time\_id  Left outer JOIN Adashchyk\_Warehouse.Activity  ON work\_Status.Activity\_activity\_id=Activity.activity\_id  Left outer JOIN Adashchyk\_Warehouse.location  ON goods.location\_idlocation=location.idlocation  Left outer JOIN Adashchyk\_Warehouse.rack  ON location.rack\_idrack=rack.idrack  Left outer JOIN Adashchyk\_Warehouse.row  ON location.row\_idrow=row.row\_number  Left outer JOIN Adashchyk\_Warehouse.cell  ON location.cell\_idcell=cell.cell\_number  Left outer JOIN Adashchyk\_Warehouse.Owner  ON goods.Owner\_idOwner=Owner.idOwner  Left outer JOIN Adashchyk\_Warehouse.owner\_contacts  ON Owner.owner\_contacts\_idowner\_contacts=owner\_contacts.telephone; |