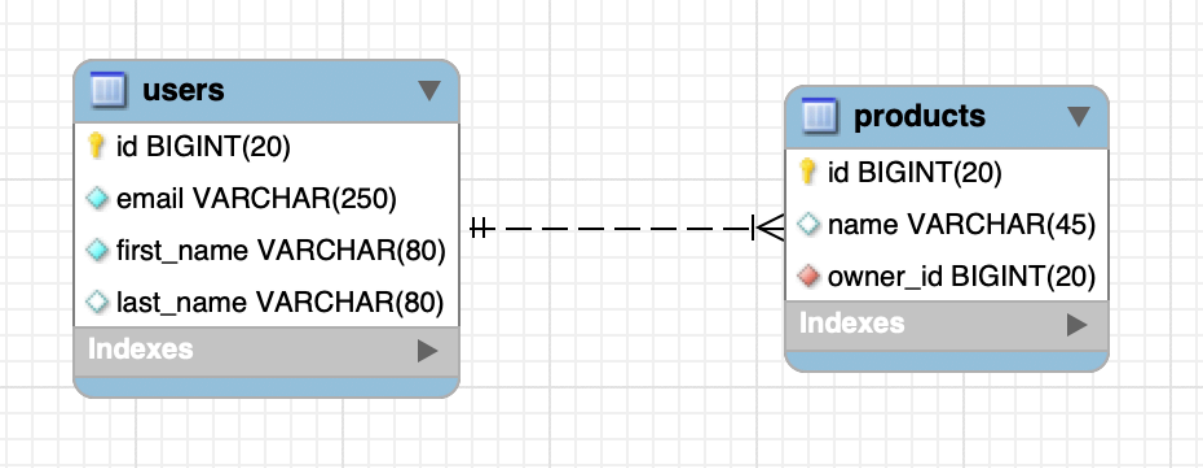
Task 2: DB change

Imagine the following simple database:




```
CREATE TABLE IF NOT EXISTS  `users` (
  `id` BIGINT(20) NOT NULL AUTO_INCREMENT,
  `email` VARCHAR(250) NOT NULL,
  `first_name` VARCHAR(80) NOT NULL,
  `last_name` VARCHAR(80) NULL,
  PRIMARY KEY (`id`))
ENGINE = InnoDB;

CREATE TABLE IF NOT EXISTS `products` (
  `id` BIGINT(20) NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(45) NULL,
  `owner_id` BIGINT(20) NOT NULL,
  PRIMARY KEY (`id`),
  INDEX `fk_products_users_idx` (`owner_id` ASC),
  CONSTRAINT `fk_products_users`
    FOREIGN KEY (`owner_id`)
    REFERENCES `mydb`.`users` (`id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

Every product has a single owner, and every user can be the owner of several products (1:n relation). The required change is that a product should have several owners instead of only one (m:n instead of 1:n).

How would you change the database to make this possible?

- Create a new EER diagram that reflects your changes.
- Add the new CREATE TABLE statements.