S03-L05 Partial index

```
-- Delete indexes if there are any
ALTER TABLE `ip_address_varchar20` DROP INDEX `idx_ip_address_3chars`;
ALTER TABLE `ip_address_varchar20` DROP INDEX `idx_ip_address_7chars`;
ALTER TABLE `ip_address_varchar20` DROP INDEX `idx_ip_address_all_chars`;
```

Create indexes in sample_ip database, table ip_address_varchar20 .

```
-- First 3 characters
CREATE INDEX idx_ip_address_3chars ON sample_ip.ip_address_varchar20
(ip_address(3));
-- First 7 characters (xxx.xxx)
CREATE INDEX idx_ip_address_7chars ON sample_ip.ip_address_varchar20
(ip_address(7));
-- All characters (xxx.xxx.xxx)
CREATE INDEX idx_ip_address_all_chars ON sample_ip.ip_address_varchar20
(ip_address);
```

Now see the difference in performance - run the gueries below.

Practice advanced SQL with MySQL