

We indexed our Racer table on (firstName, lastName) tuple to improve Racer searching by name, a very common operation. We also indexed Races on (mountainName). The following is a screenshot of the Index building script:

```
1  --allows for fast searching of racers by name
2  CREATE INDEX RacerNameIndex ON Racer(firstName, lastName);
3
4  --allows for fast searching for races on a given mountain
5  CREATE INDEX MountainIndex ON Race(mountainName);
```

And the following screenshot shows the Postgres terminal output after the script is executed.

```
CREATE INDEX
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CS421=> 
```