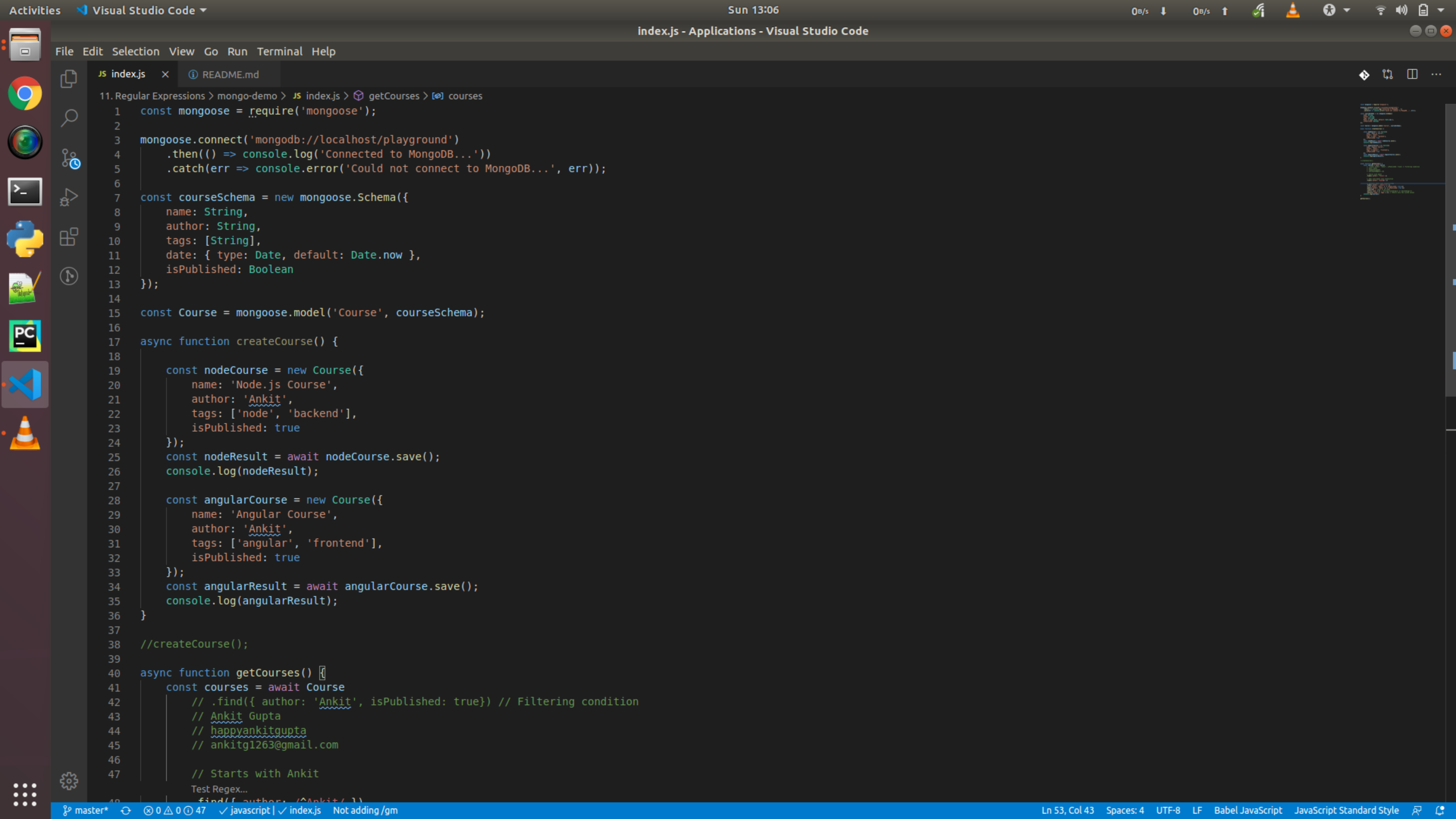
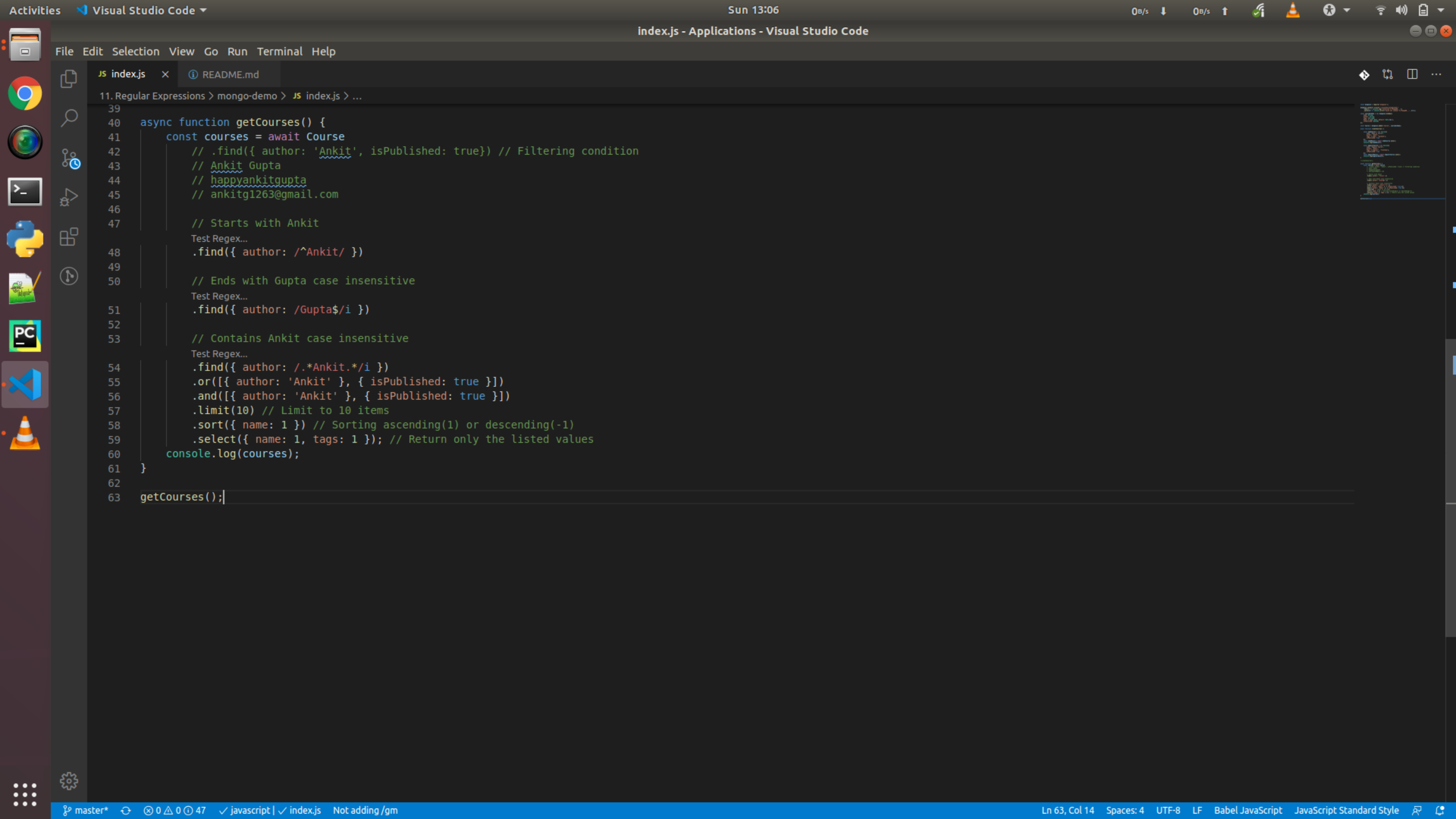
Regular Expressions

Mosh Hamedani

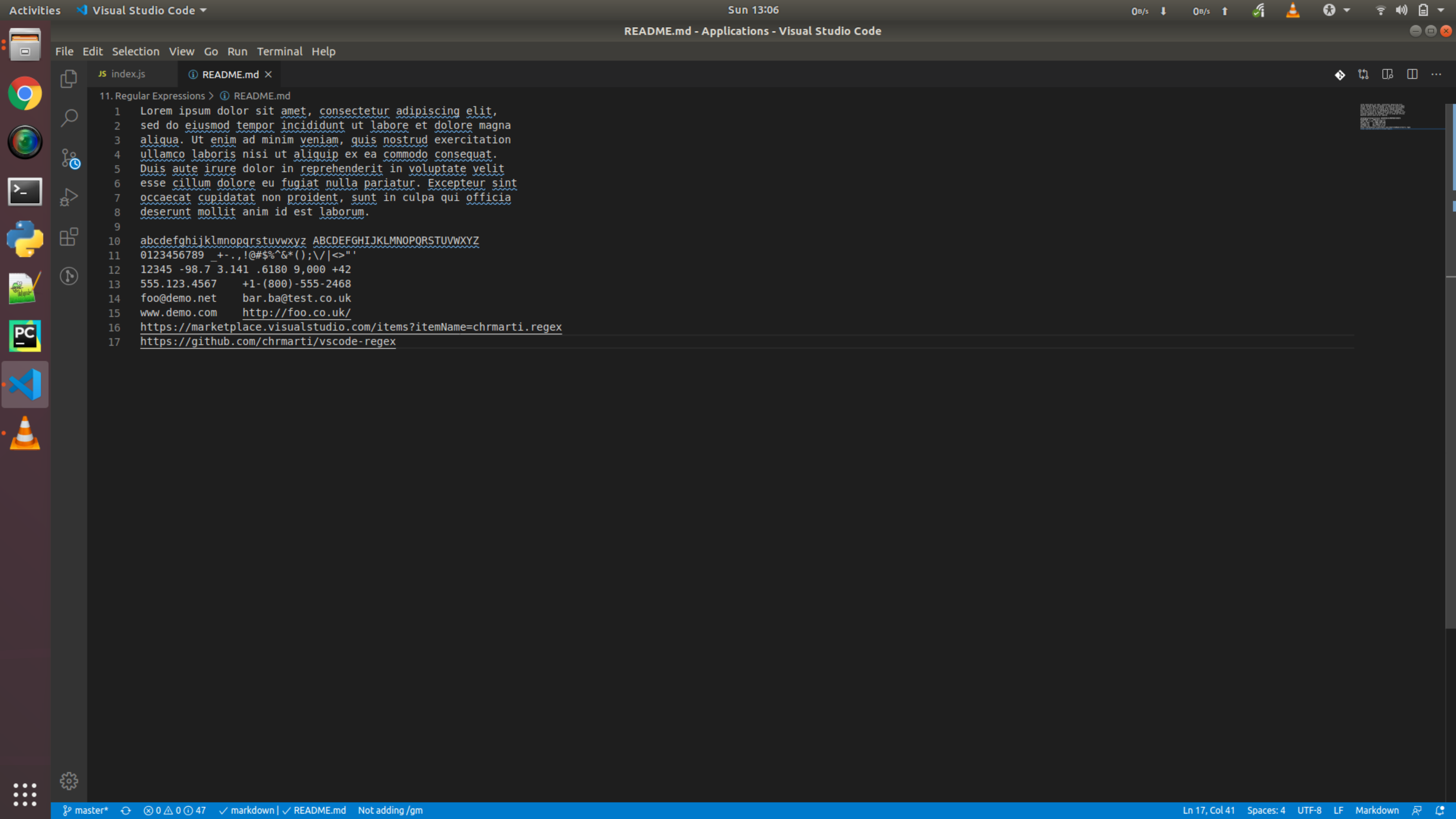
programmingwithmosh.com



```javascript
const mongoose = require('mongoose');

mongoose.connect('mongodb://localhost/playground')
    .then(() => console.log('Connected to MongoDB...'))
    .catch(err => console.error('Could not connect to MongoDB...', err));

const courseSchema = new mongoose.Schema({
    name: String,
    author: String,
    tags: [String],
    date: { type: Date, default: Date.now },
    isPublished: Boolean
});

const Course = mongoose.model('Course', courseSchema);

async function createCourse() {

    const nodeCourse = new Course({
        name: 'Node.js Course',
        author: 'Ankit',
        tags: ['node', 'backend'],
        isPublished: true
    });
    const nodeResult = await nodeCourse.save();
    console.log(nodeResult);

    const angularCourse = new Course({
        name: 'Angular Course',
        author: 'Ankit',
        tags: ['angular', 'frontend'],
        isPublished: true
    });
    const angularResult = await angularCourse.save();
    console.log(angularResult);
}

//createCourse();

async function getCourses() {
    const courses = await Course
        // .find({ author: 'Ankit', isPublished: true}) // Filtering condition
        // Ankit Gupta
        // happyankitgupta
        // ankitg1263@gmail.com

        // Starts with Ankit
        .find({ author: /^Ankit/ })
```



```
async function getCourses() {
    const courses = await Course
        // .find({ author: 'Ankit', isPublished: true}) // Filtering condition
        // Ankit Gupta
        // happyankitgupta
        // ankitg1263@gmail.com

        // Starts with Ankit
        Test Regex...
        .find({ author: /^Ankit/ })

        // Ends with Gupta case insensitive
        Test Regex...
        .find({ author: /Gupta$/i })

        // Contains Ankit case insensitive
        Test Regex...
        .find({ author: /.*Ankit.*/i })
        .or([{ author: 'Ankit' }, { isPublished: true }])
        .and([{ author: 'Ankit' }, { isPublished: true }])
        .limit(10) // Limit to 10 items
        .sort({ name: 1 }) // Sorting ascending(1) or descending(-1)
        .select({ name: 1, tags: 1 }); // Return only the listed values
    console.log(courses);
}

getCourses();
```



```
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deserunt mollit anim id est laborum.

abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789 _+-.,!@#$%^&*();\/|<>"'
12345 -98.7 3.141 .6180 9,000 +42
555.123.4567    +1-(800)-555-2468
foo@demo.net    bar.ba@test.co.uk
www.demo.com    http://foo.co.uk/
https://marketplace.visualstudio.com/items?itemName=chrmarti.regex
https://github.com/chrmarti/vscode-regex
```