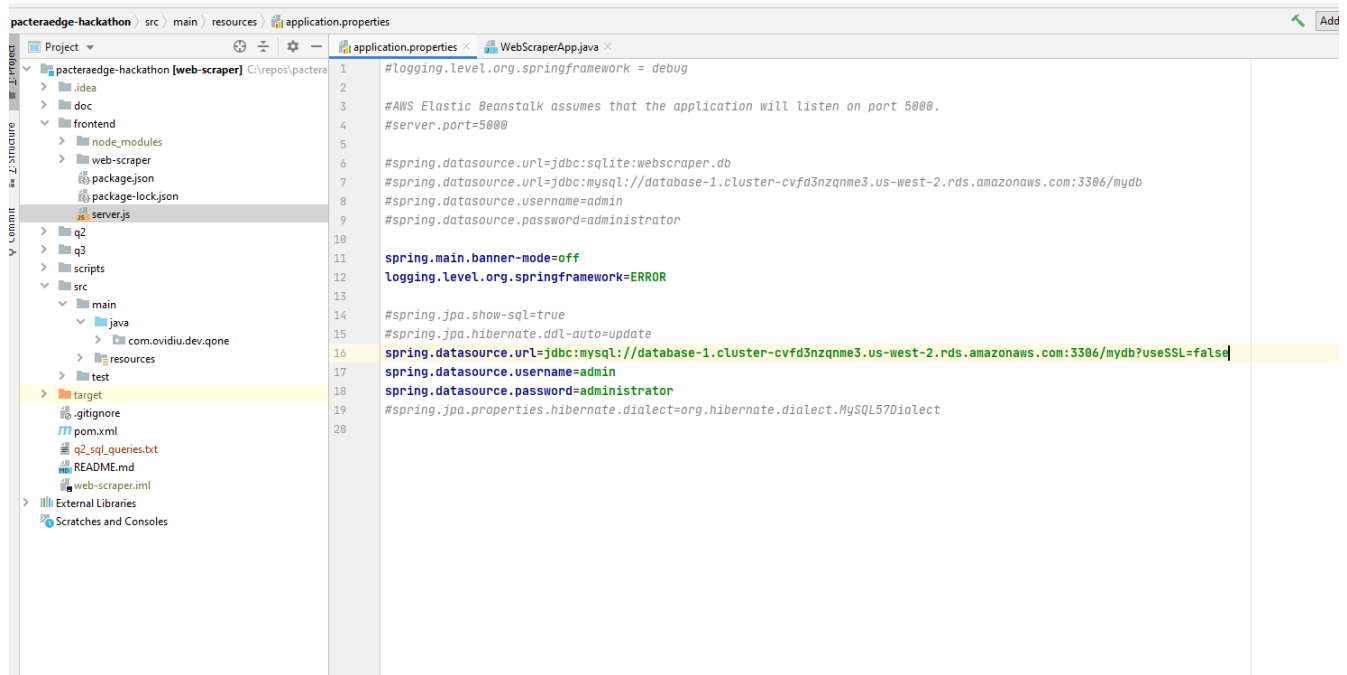


Ovidiu Mura

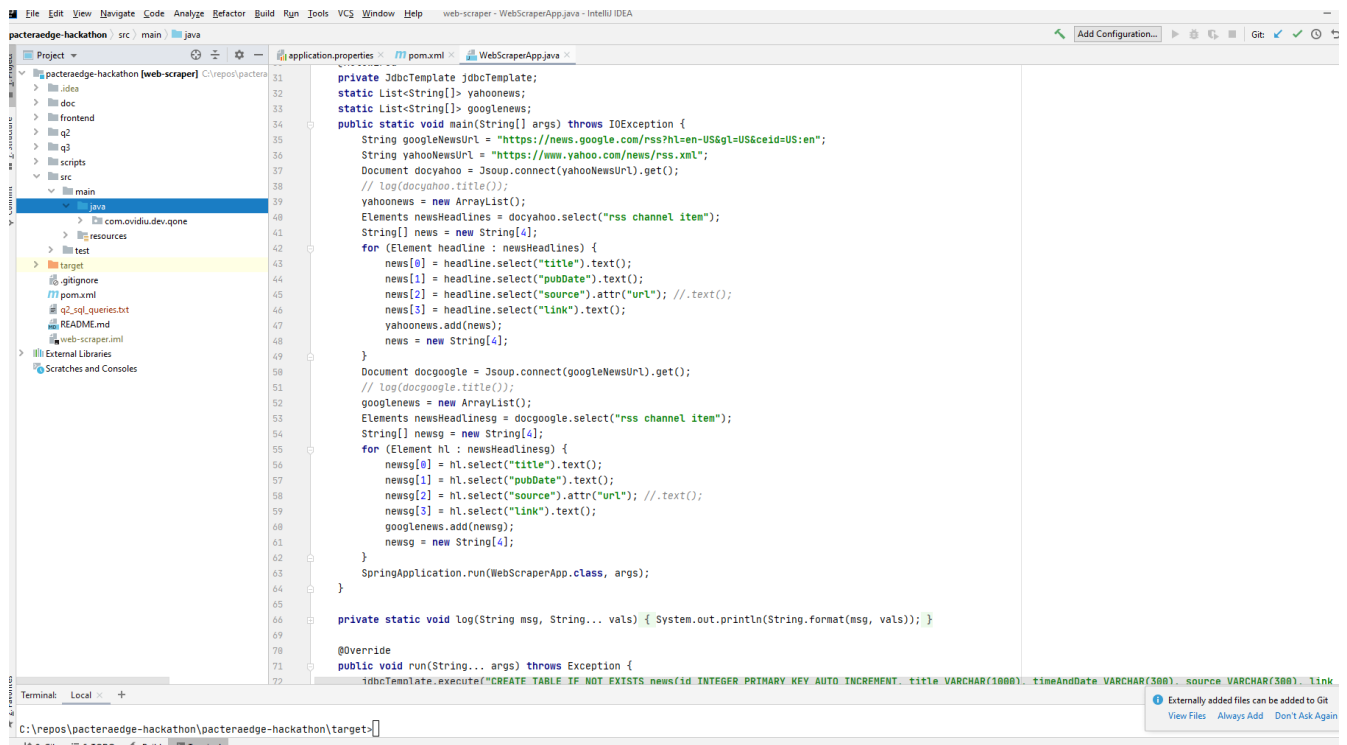
git repo: <https://github.com/ovimura/pacteraedge-hackathon>

1.



The screenshot shows the IntelliJ IDEA interface with the 'application.properties' file open. The project structure on the left includes 'pacteraedge-hackathon [web-scraper]' with subdirectories like 'frontend', 'scripts', 'src', and 'target'. The 'application.properties' file contains the following configuration:

```
1 #logging.level.org.springframework = debug
2
3 #AWS Elastic Beanstalk assumes that the application will listen on port 5000.
4 #server.port=5000
5
6 #spring.datasource.url=jdbc:sqlite:webscraper.db
7 #spring.datasource.url=jdbc:mysql://database-1.cluster-cvfd3nznme3.us-west-2.rds.amazonaws.com:3306/mydb
8 #spring.datasource.username=admin
9 #spring.datasource.password=administrator
10
11 spring.main.banner-mode=off
12 logging.level.org.springframework=ERROR
13
14 #spring.jpa.show-sql=true
15 #spring.jpa.hibernate.ddl-auto=update
16 spring.datasource.url=jdbc:mysql://database-1.cluster-cvfd3nznme3.us-west-2.rds.amazonaws.com:3306/mydb?useSSL=false
17 spring.datasource.username=admin
18 spring.datasource.password=administrator
19 #spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL57Dialect
20
```



The screenshot shows the IntelliJ IDEA interface with the 'WebScraperApp.java' file open. The project structure on the left is the same as the previous screenshot. The 'WebScraperApp.java' file contains the following code:

```
1 private JdbcTemplate jdbcTemplate;
2 static List<String[]> yahooNews;
3 static List<String[]> googleNews;
4 public static void main(String[] args) throws IOException {
5     String googleNewsUrl = "https://news.google.com/rss?hl=en-US&gl=US&ceid=US:en";
6     String yahooNewsUrl = "https://www.yahoo.com/news/rss.xml";
7     Document docyahoo = Jsoup.connect(yahooNewsUrl).get();
8     // log(docyahoo.title());
9     yahooNews = new ArrayList<>();
10    Elements newsHeadlines = docyahoo.select("rss channel item");
11    String[] news = new String[4];
12    for (Element headline : newsHeadlines) {
13        news[0] = headline.select("title").text();
14        news[1] = headline.select("pubDate").text();
15        news[2] = headline.select("source").attr("url"); // .text();
16        news[3] = headline.select("link").text();
17        yahooNews.add(news);
18        news = new String[4];
19    }
20    Document docgoogle = Jsoup.connect(googleNewsUrl).get();
21    // log(docgoogle.title());
22    googleNews = new ArrayList<>();
23    Elements newsHeadlinesg = docgoogle.select("rss channel item");
24    String[] newsg = new String[4];
25    for (Element hl : newsHeadlinesg) {
26        newsg[0] = hl.select("title").text();
27        newsg[1] = hl.select("pubDate").text();
28        newsg[2] = hl.select("source").attr("url"); // .text();
29        newsg[3] = hl.select("link").text();
30        googleNews.add(newsg);
31        newsg = new String[4];
32    }
33    SpringApplication.run(WebScraperApp.class, args);
34 }
35
36 private static void log(String msg, String... vals) { System.out.println(String.format(msg, vals)); }
37
38 @Override
39 public void run(String... args) throws Exception {
40     jdbcTemplate.execute("CREATE TABLE IF NOT EXISTS news(id INTEGER PRIMARY KEY AUTO INCREMENT, title VARCHAR(1000), timeAndDate VARCHAR(300), source VARCHAR(300), link
41 }
42
```

```
C:\repos\pacteraedge-hackathon\pacteraedge-hackathon\frontend>dir
Volume in drive C has no label.
Volume Serial Number is 723F-67C1

Directory of C:\repos\pacteraedge-hackathon\pacteraedge-hackathon\frontend

07/31/2020  07:58 AM  <DIR>          .
07/31/2020  07:58 AM  <DIR>          ..
07/31/2020  07:49 AM  <DIR>          node_modules
07/31/2020  07:46 AM                17,146 package-lock.json
07/31/2020  07:46 AM                278 package.json
07/31/2020  09:44 AM                762 server.js
07/31/2020  09:34 AM  <DIR>          web-scraper
                   3 File(s)          18,186 bytes
                   4 Dir(s)    407,156,961,280 bytes free

C:\repos\pacteraedge-hackathon\pacteraedge-hackathon\frontend>node server.js
Server is running at port 3030
```

← → C localhost:3030

Apps CS565 CS556 visas restart\_vnc nodejs google\_cloud\_node... google\_cloud\_dbs music ML apis athenzio Richard Dawkins vs... google\_interview music CLRS

Elements Console Sources Network Performance Memory Ap

top Filter All levels

```
[{"id":1,"title":"1 US Marine is dead, and 8 are missing, after an amphibious assault vehicle accident off Southern California", "timeAndDate":"Fri, 31 Jul 2020 05:45:43 -0400", "source":"https://www.businessinsider.com/", "link":"https://news.yahoo.com/1-us-marine-dead-8-094543985.html"}, {"id":2,"title":"Trump loyalist who tested positive for coronavirus is America's 'dumbest' congressman, says Lincoln Project co-founder", "timeAndDate":"Thu, 30 Jul 2020 16:14:12 -0400", "source":"http://www.independent.co.uk/", "link":"https://news.yahoo.com/trump-loyalist-tested-positive-coronavirus-201412480.html"}, {"id":3,"title":"FBI says errors discovered in more than two-dozen wiretap applications were mostly minor", "timeAndDate":"Thu, 30 Jul 2020 19:59:09 -0400", "source":"https://www.usatoday.com/news/", "link":"https://news.yahoo.com/fbi-says-errors-discovered-more-235909184.html"}, {"id":4,"title":"What Pullout? Feds Gas Moms in Fresh Portland Crackdown", "timeAndDate":"Thu, 30 Jul 2020 11:31:45 -0400", "source":"http://www.thedailybeast.com/", "link":"https://news.yahoo.com/pullout-feds-gas-moms-fresh-153145963.html"}, {"id":5,"title":"Alabama lawmaker who celebrated KKK leader resigns from church", "timeAndDate":"Thu, 30 Jul 2020 23:28:27 -0400", "source":"https://www.nbcnews.com/", "link":"https://news.yahoo.com/alabama-lawmaker-celebrated-klk-leader-032827436.html"}, {"id":6,"title":"Democrats reject $600 benefit extension from White House, push for more", "timeAndDate":"Fri, 31 Jul 2020 06:31:32 -0400", "source":"https://www.yahoo.com/news/", "link":"https://news.yahoo.com/democrats-reject-600-benefit-extension-103132443.html"}, {"id":7,"title":"South Korean general sacked over defector's return", "timeAndDate":"Fri, 31 Jul 2020 01:10:22 -0400", "source":"http://www.afp.com/", "link":"https://news.yahoo.com/south-korean-general-sacked-over-defectors-return-051022027.html"}, {"id":8,"title":"Why some Americans say they'll never wear a mask - and what that says about the U.S.", "timeAndDate":"Wed, 29 Jul 2020 13:58:12 -0400", "source":"https://news.yahoo.com/", "link":"https://news.yahoo.com/why-some-americans-say-theyll-never-wear-a-mask-and-what-that-says-about-the-us-175812512.html"}, {"id":9,"title":"SpaceX crew prepares for splashdown", "timeAndDate":"Wed, 29 Jul 2020 18:58:00 -0400", "source":"https://www.cbsnews.com/", "link":"https://news.yahoo.com/spacex-crew-prepares-splashdown-225802290.html"}, {"id":10,"title":"A key federal appeals court will reexamine case on Michael Flynn's guilty plea", "timeAndDate":"Thu, 30 Jul 2020 12:42:28 -0400", "source":"https://www.businessinsider.com/", "link":"https://news.yahoo.com/key-federal-appeals-court-just-164228496.html"}, {"id":11,"title":"Letters to the Editor: Portland protesters, it's time to stop. You're playing into Trump's hands", "timeAndDate":"Fri, 31 Jul 2020 06:00:28 -0400", "source":"https://www.latimes.com/opinion/", "link":"https://news.yahoo.com/letters-editor-portland-protesters-time-100028943.html"}, {"id":12,"title":"Inside a Park Avenue Co-Op That Fully Breaks With Convention", "timeAndDate":"Wed, 29 Jul 2020 12:44:23 -0400", "source":"http://www.architecturaldigest.com/", "link":"https://news.yahoo.com/inside-park-avenue-co-op-164423881.html"}, {"id":13,"title":"Two pilots dead after firefighting planes collide while battling Nevada Fire; NTSB investigating", "timeAndDate":"Thu, 30 Jul 2020 23:57:55 -0400", "source":"https://www.usatoday.com/news/", "link":"https://news.yahoo.com/two-firefighting-planes-collide-while-012514075.html"}, {"id":14,"title":"Portland has become the focal point of Black Lives Matter protests in America, but it has a tortured history when it comes to race", "timeAndDate":"Thu, 30 Jul 2020 10:10:23 -0400", "source":"https://www.insider.com/", "link":"https://news.yahoo.com/portland-become-focal-point-black-141023352.html"}, {"id":15,"title":"AP EXPLAINS: A 10-year-old federal law could be used to block state elections", "timeAndDate":"Thu, 30 Jul 2020 11:52:07 -0400", "source":"http://www.ap.org", "link":"https://news.yahoo.com/ap-explains-a-10-year-old-federal-law-could-be-used-to-block-state-elections-115207000.html"}, {"id":16,"title":"Maine shark attack: Rep. Louie Gohmert regularly refused to wear masks", "timeAndDate":"Thu, 30 Jul 2020 08:24:02 -0400", "source":"https://www.bbc.com/", "link":"https://news.yahoo.com/portland-become-focal-point-black-141023352.html"}, {"id":17,"title":"Iran says fires", "timeAndDate":"Thu, 30 Jul 2020 08:24:02 -0400", "source":"http://www.afp.com", "link":"https://news.yahoo.com/portland-become-focal-point-black-141023352.html"}, {"id":18,"title":"1 US Marine is dead, and 8 are missing, after an amphibious assault vehicle accident off Southern California", "timeAndDate":"Fri, 31 Jul 2020 05:45:43 -0400", "source":"https://www.businessinsider.com/", "link":"https://news.yahoo.com/1-us-marine-dead-8-094543985.html"}, {"id":19,"title":"Trump loyalist who tested positive for coronavirus is America's 'dumbest' congressman, says Lincoln Project co-founder", "timeAndDate":"Thu, 30 Jul 2020 16:14:12 -0400", "source":"http://www.independent.co.uk/", "link":"https://news.yahoo.com/trump-loyalist-tested-positive-coronavirus-201412480.html"}, {"id":20,"title":"FBI says errors discovered in more than two-dozen wiretap applications were mostly minor", "timeAndDate":"Thu, 30 Jul 2020 19:59:09 -0400", "source":"https://www.usatoday.com/news/", "link":"https://news.yahoo.com/fbi-says-errors-discovered-more-235909184.html"}, {"id":21,"title":"What Pullout? Feds Gas Moms in Fresh Portland Crackdown", "timeAndDate":"Thu, 30 Jul 2020 11:31:45 -0400", "source":"http://www.thedailybeast.com/", "link":"https://news.yahoo.com/pullout-feds-gas-moms-fresh-153145963.html"}, {"id":22,"title":"Alabama lawmaker who celebrated KKK leader resigns from church", "timeAndDate":"Thu, 30 Jul 2020 23:28:27 -0400", "source":"https://www.nbcnews.com/", "link":"https://news.yahoo.com/alabama-lawmaker-celebrated-klk-leader-032827436.html"}, {"id":23,"title":"Democrats reject $600 benefit extension from White House, push for more", "timeAndDate":"Fri, 31 Jul 2020 06:31:32 -0400", "source":"https://www.yahoo.com/news/", "link":"https://news.yahoo.com/democrats-reject-600-benefit-extension-103132443.html"}, {"id":24,"title":"South Korean general sacked over defector's return", "timeAndDate":"Fri, 31 Jul 2020 01:10:22 -0400", "source":"http://www.afp.com/", "link":"https://news.yahoo.com/south-korean-general-sacked-over-defectors-return-051022027.html"}, {"id":25,"title":"Why some Americans say they'll never wear a mask - and what that says about the U.S.", "timeAndDate":"Wed, 29 Jul 2020 13:58:12 -0400", "source":"https://news.yahoo.com/", "link":"https://news.yahoo.com/why-some-americans-say-theyll-never-wear-a-mask-and-what-that-says-about-the-us-175812512.html"}]
```

localhost:3000

Apps CS565 CS556 visas restart\_vnc nodejs google\_cloud\_node... google\_cloud\_db... music ML apis athenzio Richard Dawkins vs... google\_interview music CLRS amazon\_interview rent angular mrfloordx

Headlines Keywords Scramble

## News

- 1 US Marine is dead, and 8 are missing, after an amphibious assault vehicle accident off Southern California [link source](#) Fri, 31 Jul 2020 05:45:43 -0400
- 2 Trump loyalist who tested positive for coronavirus is America's 'dumbest' congressman, says Lincoln Project co-founder [link source](#) Thu, 30 Jul 2020 16:14:12 -0400
- 3 FBI says errors discovered in more than two-dozen wiretap applications were mostly minor [link source](#) Thu, 30 Jul 2020 19:59:09 -0400
- 4 What Pullout? Feds Gas Moms in Fresh Portland Crackdown [link source](#) Thu, 30 Jul 2020 11:13:45 -0400
- 5 Alabama lawmaker who celebrated KKK leader resigns from church [link source](#) Thu, 30 Jul 2020 23:28:27 -0400
- 6 Democrats reject \$600 benefit extension from White House, push for more [link source](#) Fri, 31 Jul 2020 06:31:32 -0400
- 7 South Korean general sacked over defector's return [link source](#) Fri, 31 Jul 2020 01:10:22 -0400
- 8 Why some Americans say they'll never wear a mask — and what that says about the U.S. [link source](#) Wed, 29 Jul 2020 13:58:12 -0400
- 9 SpaceX crew prepares for splashdown [link source](#) Wed, 29 Jul 2020 18:58:00 -0400
- 10 A key federal appeals court will reexamine case on Michael Flynn's guilty plea [link source](#) Thu, 30 Jul 2020 12:42:28 -0400
- 11 Letters to the Editor: Portland protesters, it's time to stop. You're playing into Trump's hands [link source](#) Fri, 31 Jul 2020 06:00:28 -0400
- 12 Inside a Park Avenue Co-Op That Playfully Breaks With Convention [link source](#) Wed, 29 Jul 2020 12:44:23 -0400
- 13 Two pilots dead after firefighting planes collide while battling Nevada Fire: NTSB investigating [link source](#) Thu, 30 Jul 2020 23:57:55 -0400
- 14 Portland has become the focal point of Black Lives Matter protests in America, but it has a tortured history when it comes to race [link source](#) Thu, 30 Jul 2020 10:10:23 -0400
- 15 AP EXPLAINS: A look at \$60M bribery probe unfolding in Ohio [link source](#) Thu, 30 Jul 2020 11:52:02 -0400
- 16 Maine shark attack: US woman killed by great white [link source](#) Wed, 29 Jul 2020 11:13:45 -0400
- 17 Iran says fires missiles from underground in Gulf war games [link source](#) Wed, 29 Jul 2020 11:19:00 -0400
- 18 Father, son with COVID-19 forced to quarantine in Hawaii [link source](#) Wed, 29 Jul 2020 23:20:28 -0400
- 19 Rep. Louie Gohmert says he may have contracted the coronavirus because he wore a mask, despite the fact that he regularly refused to wear masks [link source](#) Wed, 29 Jul 2020 14:25:23 -0400
- 20 Did the CIA Torture an Undercover DEA Agent for a Mexican Drug Cartel? [link source](#) Fri, 31 Jul 2020 03:11:50 -0400
- 21 Former Republican presidential candidate Herman Cain has died after being hospitalized with the coronavirus [link source](#) Thu, 30 Jul 2020 10:30:54 -0400
- 22 Fact check: Joe Biden didn't take a knee upon seeing a flag: he was talking to a child [link source](#) Thu, 30 Jul 2020 17:09:35 -0400
- 23 A Louisiana woman who planted seeds from a mysterious package says she's not worried. But the USDA is, and it's asking people not to plant these unknown seeds. [link source](#) Fri, 31 Jul 2020 00:10:25 -0400
- 24 Ex-police officer in George Floyd death asks for charges to be dropped [link source](#) Thu, 30 Jul 2020 08:24:02 -0400
- 25 Charity urges release of 200 migrant children held in Libya [link source](#) Wed, 29 Jul 2020 10:44:38 -0400
- 26 U.S. Treasury to make recommendation on TikTok to Trump this week: Mnuchin [link source](#) Wed, 29 Jul 2020 09:55:32 -0400
- 27 Three decades on, Iraq and Kuwait haunted by Saddam's invasion [link source](#) Thu, 30 Jul 2020 00:37:30 -0400
- 28 Jim Jordan explodes when asked to put on a mask, pivots to unmasking of Michael Flynn [link source](#) Wed, 29 Jul 2020 16:49:00 -0400
- 29 Ignorance turns to outrage as cancel culture comes for Norwegian flag at Michigan B&B [link source](#) Thu, 30 Jul 2020 23:37:03 -0400
- 30 Trump floats delaying the election, but he can't do that [link source](#) Thu, 30 Jul 2020 10:14:00 -0400
- 31 Emails released as part of Congress's antitrust hearing show how ruthless Steve Jobs could be [link source](#) Wed, 29 Jul 2020 21:50:04 -0400
- 32 Man fires warning shots in Miami hotel lobby after telling guests you all aren't social distancing [link source](#) Thu, 30 Jul 2020 14:20:42 -0400
- 33 Mormon Family Sues Mexican Cartel for 'Coordinated' Ambush That Killed 9 [link source](#) Wed, 29 Jul 2020 13:55:03 -0400
- 34 A Black videographer got stabbed at the Portland protests, and he says it is because he is pro-Trump [link source](#) Thu, 30 Jul 2020 06:13:49 -0400
- 35 Tennessee state senator charged with stealing federal funds [link source](#) Wed, 29 Jul 2020 17:01:42 -0400

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git repo: <https://github.com/ovimura/pacteraedge-hackathon>

The screenshot shows a VS Code editor with a file explorer on the left and a code editor in the center. The file explorer shows a project structure with folders like 'components', 'css', and 'src'. The code editor shows a file named 'App.js' with the following code:

```

1 import React, { Component } from 'react';
2 import './css/App.css';
3 import { BrowserRouter as Router, Route } from 'react-router-dom';
4
5 import home from './components/home';
6 import Header from './components/header';
7 import Footer from './components/footer';
8 import keywords from './components/keywords';
9 import scramble from './components/scramble';
10
11 require('dotenv').config();
12
13
14 function App() {
15   return (
16     <Router basename="/">
17       <Header/>
18       <Route exact path="/" component={home}/>
19       <Route exact path="/keywords" component={keywords}/>
20       <Route exact path="/scramble" component={scramble}/>
21     </div>
22   );
23 }
24
25 // </>
26 // <h1>Home</h1>
27 // </>
28
29
30
31 export default App;
32

```

The bottom of the screen shows the 'DEBUG CONSOLE' with the following output:

```

[dev]
"typescript",
"typescriptreact",
"vue",
"yaml"

```

id	title	timeAndDate	source	link
1	1 US Marine is dead, and 8 are missing, after an amphibious assault vehicle accident off Southern C...	Fri, 31 Jul 2020 19:45:45 -0400	https://www.businessinsider.com/...	https://www.sahsa.com/1-us-marine-dead-8...
2	Trump begged who hospitalized for pneumonia in America's 'hardest' coronavirus, who local...	Thu, 30 Jul 2020 20:24:12 -0400	https://www.independent.co.uk/...	https://www.sahsa.com/trump-begged-test...
3	FD-903 errors discovered in more than two dozen state application forms mostly minor	Thu, 30 Jul 2020 19:39:49 -0400	https://www.usatoday.com/story/...	https://www.sahsa.com/fd-903-errors-discov...
4	What's Behind the Push for Gasoline in Front of the Gas Station?	Thu, 30 Jul 2020 12:24:45 -0400	https://www.thehill.com/policy/...	https://www.sahsa.com/whats-behind-the-pu...
5	Alabama lawmaker who criticized 600 border migrants from church	Thu, 30 Jul 2020 12:28:27 -0400	https://www.wireimage.com/...	https://www.sahsa.com/alabama-lawmaker-crit...
6	Democracy report 600 health care workers from White House, push for more	Fri, 31 Jul 2020 09:35:12 -0400	https://www.wireimage.com/...	https://www.sahsa.com/democracy-report-600...
7	South Korean general called over defection of 300 return	Fri, 31 Jul 2020 01:35:22 -0400	https://www.abc.com/...	https://www.sahsa.com/south-korean-general...
8	Why some Americans say the US is not a democracy - and what that says about the U.S.	Wed, 29 Jul 2020 12:58:25 -0400	https://www.wireimage.com/...	https://www.sahsa.com/why-some-americans-s...
9	Democrat wins primary for reelection	Wed, 29 Jul 2020 10:58:02 -0400	https://www.sahsa.com/...	https://www.sahsa.com/democrat-wins-primary...
10	A key federal appeal court will examine case on Michael Flynn's 2017 guilty plea	Thu, 30 Jul 2020 12:40:28 -0400	https://www.businessinsider.com/...	https://www.sahsa.com/key-federal-appeal-c...
11	Letters to the Editor: Portland coronavirus, 100% to stop, 100% to stop	Fri, 31 Jul 2020 06:00:38 -0400	https://www.sahsa.com/portland-coronavirus...	https://www.sahsa.com/letters-to-the-editor...
12	Inside a First Avenue Co-Op That Flashed Red in the Coronavirus	Wed, 29 Jul 2020 12:44:12 -0400	https://www.nytimes.com/2020/07/29/...	https://www.sahsa.com/inside-a-first-avenue...
13	Two states ease their lockdown plans while testing for the virus, 100% to stop	Thu, 30 Jul 2020 12:15:11 -0400	https://www.usatoday.com/story/...	https://www.sahsa.com/two-states-ease-their...
14	Portland has become the first part of Black Lives Matter protests in America, but it has a history...	Thu, 30 Jul 2020 10:25:23 -0400	https://www.wireimage.com/...	https://www.sahsa.com/portland-has-become-t...
15	an FBI ARJIS, A look at 1000 hours of video footage in the	Thu, 30 Jul 2020 11:02:02 -0400	https://www.abc.com/...	https://www.sahsa.com/an-fbi-arjis-a-look...
16	Home attack attack: 10 women killed by great white	Wed, 29 Jul 2020 11:13:40 -0400	https://www.msn.com/...	https://www.sahsa.com/home-attack-attack-10...
17	Don't want to see the results from underground in the	Wed, 29 Jul 2020 11:10:00 -0400	https://www.abc.com/...	https://www.sahsa.com/don't-want-to-see-the...
18	Father, son with COVID-19 forced to quarantine in hotel	Wed, 29 Jul 2020 12:20:28 -0400	https://www.wireimage.com/...	https://www.sahsa.com/father-son-with-covid-1...
19	Rep. Law (Carter) says he has been contacted for coronavirus because he wore a mask, death...	Wed, 29 Jul 2020 14:52:11 -0400	https://www.businessinsider.com/...	https://www.sahsa.com/rep-law-carter-says-h...
20	Did the CIA's former undercover CIA Agent for a Mexican Drug Cartel?	Fri, 31 Jul 2020 01:11:35 -0400	https://www.thehill.com/policy/...	https://www.sahsa.com/did-the-cias-former-u...
21	Former President's presidential candidate Herman Cain has died after being hospitalized with the	Thu, 30 Jul 2020 10:35:14 -0400	https://www.businessinsider.com/...	https://www.sahsa.com/former-president's-c...
22	Fact check: Joe Biden did not take a knee upon seeing a flag he was talking to a child	Thu, 30 Jul 2020 17:09:35 -0400	https://www.usatoday.com/story/...	https://www.sahsa.com/fact-check-joe-biden...
23	A Louisiana woman who planned suicide from a mysterious package have died after not warning...	Fri, 31 Jul 2020 00:35:25 -0400	https://www.abc.com/...	https://www.sahsa.com/a-louisiana-woman-w...
24	Evangelical office in George Floyd death asks for charges to be dropped	Thu, 30 Jul 2020 08:24:02 -0400	https://www.independent.co.uk/...	https://www.sahsa.com/evangelical-office-i...
25	Charly's origin release of 2000 report on the	Wed, 29 Jul 2020 10:44:28 -0400	https://www.abc.com/...	https://www.sahsa.com/charly-s-origin-rele...
26	U.S. Treasury to make recommendation on the 10% to Trump this week, 100%	Wed, 29 Jul 2020 09:55:32 -0400	https://www.nytimes.com/2020/07/29/...	https://www.sahsa.com/us-treasury-to-make...
27	Three bodies on the way and the last one is the last one	Thu, 30 Jul 2020 07:37:28 -0400	https://www.abc.com/...	https://www.sahsa.com/three-bodies-on-the-...
28	Joe Biden's explosive video asked to put on a mask, 100% to stop	Wed, 29 Jul 2020 10:46:00 -0400	https://www.nytimes.com/2020/07/29/...	https://www.sahsa.com/joe-biden-s-explosi...
29	Ignorance turns to outrage as racial culture comes for the 100% to stop	Thu, 30 Jul 2020 12:17:03 -0400	https://www.nytimes.com/2020/07/29/...	https://www.sahsa.com/ignorance-turns-to-o...
30	Trump's death during the election, but he said 100% to stop	Thu, 30 Jul 2020 10:14:00 -0400	https://www.wireimage.com/...	https://www.sahsa.com/trump-s-death-during...
31	Trade release as part of Congress's 100% to stop	Wed, 29 Jul 2020 12:10:04 -0400	https://www.businessinsider.com/...	https://www.sahsa.com/trade-release-as-part...
32	How the 100% to stop	Wed, 29 Jul 2020 14:26:42 -0400	https://www.usatoday.com/story/...	https://www.sahsa.com/how-the-100-to-stop...
33	Honoring Family Sun Memorial for 'Coordinated' Attack That Killed 9	Wed, 29 Jul 2020 12:15:03 -0400	https://www.thehill.com/policy/...	https://www.sahsa.com/honoring-family-sun...
34	A Black investigator got involved in the Portland protests, and he says it's because he is pro-Tru...	Thu, 30 Jul 2020 06:11:49 -0400	https://www.wireimage.com/...	https://www.sahsa.com/a-black-investigato...
35	Tennessee state senator charged with sexual assault	Wed, 29 Jul 2020 17:03:42 -0400	https://www.abc.com/...	https://www.sahsa.com/tennessee-state-sen...
36	After a flood, 100% to stop	Wed, 29 Jul 2020 07:02:12 -0400	https://www.msn.com/...	https://www.sahsa.com/after-a-flood-100-t...
37	Tennessee state senator charged with sexual assault	Wed, 29 Jul 2020 12:23:10 -0400	https://www.military.com/...	https://www.sahsa.com/tennessee-state-sen...
38	Great changes in the 100% to stop	Thu, 30 Jul 2020 10:45:45 -0400	https://www.abc.com/...	https://www.sahsa.com/great-changes-in-t...
39	100% to stop	Thu, 30 Jul 2020 10:45:45 -0400	https://www.independent.co.uk/...	https://www.sahsa.com/100-to-stop-100-t...

2.

Query 2:

For each type of the stores, find 5 stores with highest average weekly sales.

Solution:

```

select tp, avg_w from
(select st.Type tp, st.Store sto, avg(sa.Weekly_Sales) avg_w from stores_data st join sales_data sa on
(st.Store = sa.Store)
group by st.Type, st.Store
having avg_w > (select Weekly_Sales from stores_data))
group by avg_w order by 2 limit 5

```

Query 3:

Find stores with increased total sales in December from 2010 to 2011.

```

SELECT st.Store a, sum(sd.Weekly_Sales) b
from stores_data st join sales_data sd on st.Store = sd.Store
where SUBSTR(sd.date, 7, 4) IS '2010' and SUBSTR(sd.date, 4, 2) IS '12'
group by a;

```

and b > 1000;

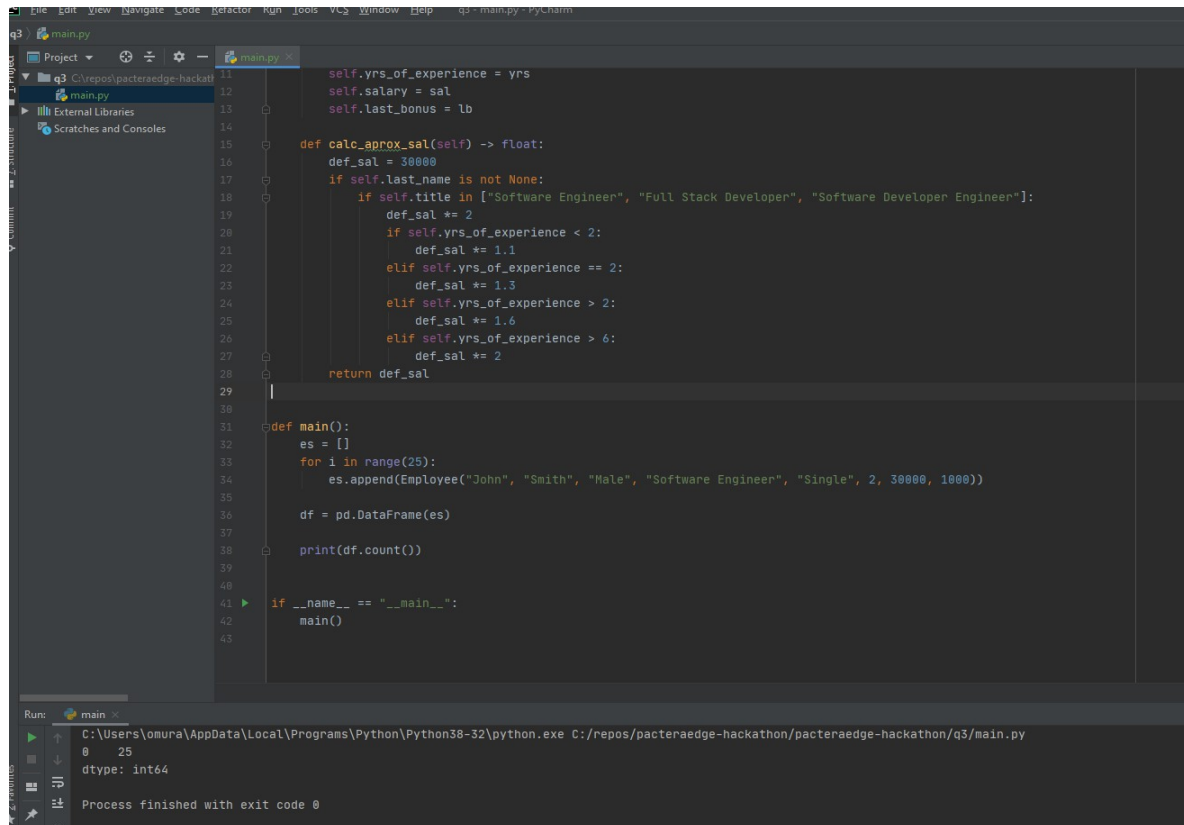
```

(
SELECT sum(sd1.Weekly_Sales) from stores_data st1 join sales_data sd1 on st1.Store = sd1.Store
where SUBSTR(sd1.date, 7, 4) = '2011' and SUBSTR(sd1.date, 4, 2) = '12'

```

and a = stl.Store  
);

3.



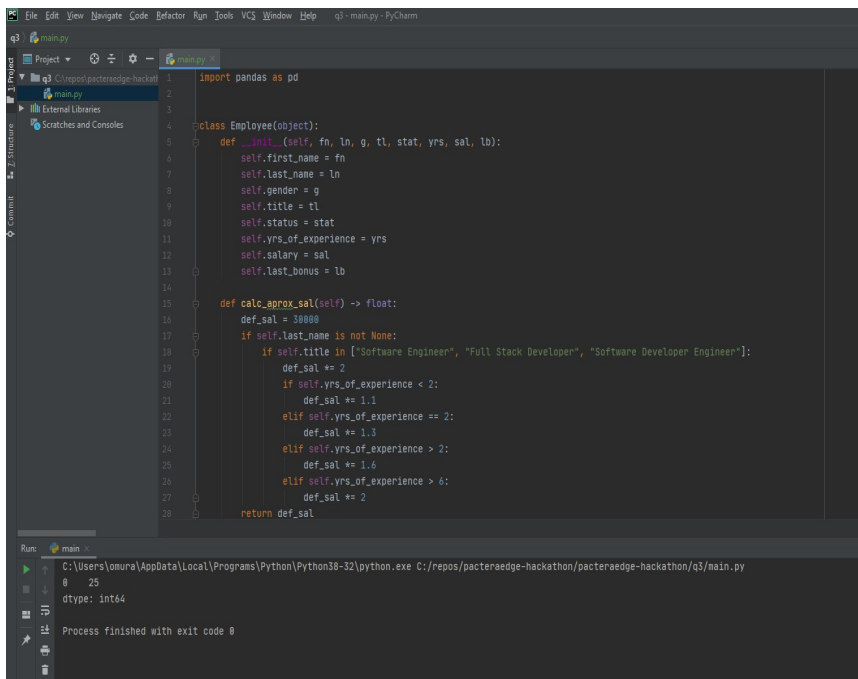
```
11 self.yrs_of_experience = yrs
12 self.salary = sal
13 self.last_bonus = lb
14
15 def calc_aprox_sal(self) -> float:
16     def_sal = 30000
17     if self.last_name is not None:
18         if self.title in ["Software Engineer", "Full Stack Developer", "Software Developer Engineer"]:
19             def_sal *= 2
20             if self.yrs_of_experience < 2:
21                 def_sal *= 1.1
22             elif self.yrs_of_experience == 2:
23                 def_sal *= 1.3
24             elif self.yrs_of_experience > 2:
25                 def_sal *= 1.6
26             elif self.yrs_of_experience > 6:
27                 def_sal *= 2
28     return def_sal
29
30
31 def main():
32     es = []
33     for i in range(25):
34         es.append(Employee("John", "Smith", "Male", "Software Engineer", "Single", 2, 30000, 1000))
35
36     df = pd.DataFrame(es)
37
38     print(df.count())
39
40
41 if __name__ == "__main__":
42     main()
43
```

Run: main x

C:\Users\omura\AppData\Local\Programs\Python\Python38-32\python.exe C:/repos/pacteraedge-hackathon/pacteraedge-hackathon/q3/main.py

0 25  
dtype: int64

Process finished with exit code 0



```
1 import pandas as pd
2
3
4 class Employee(object):
5     def __init__(self, fn, ln, g, tl, stat, yrs, sal, lb):
6         self.first_name = fn
7         self.last_name = ln
8         self.gender = g
9         self.title = tl
10        self.status = stat
11        self.yrs_of_experience = yrs
12        self.salary = sal
13        self.last_bonus = lb
14
15    def calc_aprox_sal(self) -> float:
16        def_sal = 30000
17        if self.last_name is not None:
18            if self.title in ["Software Engineer", "Full Stack Developer", "Software Developer Engineer"]:
19                def_sal *= 2
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Run: main x

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```

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if __name__ == "__main__":
    main()

```