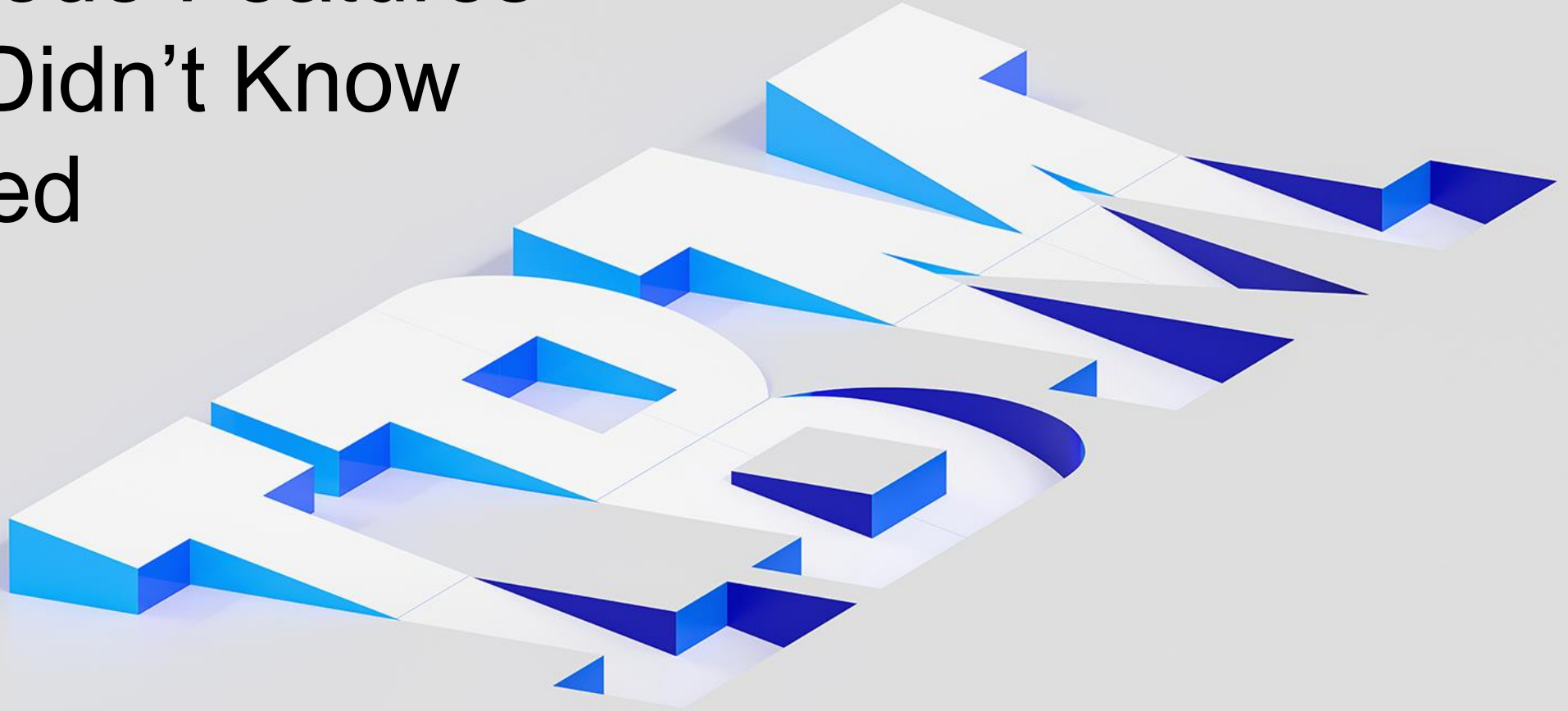


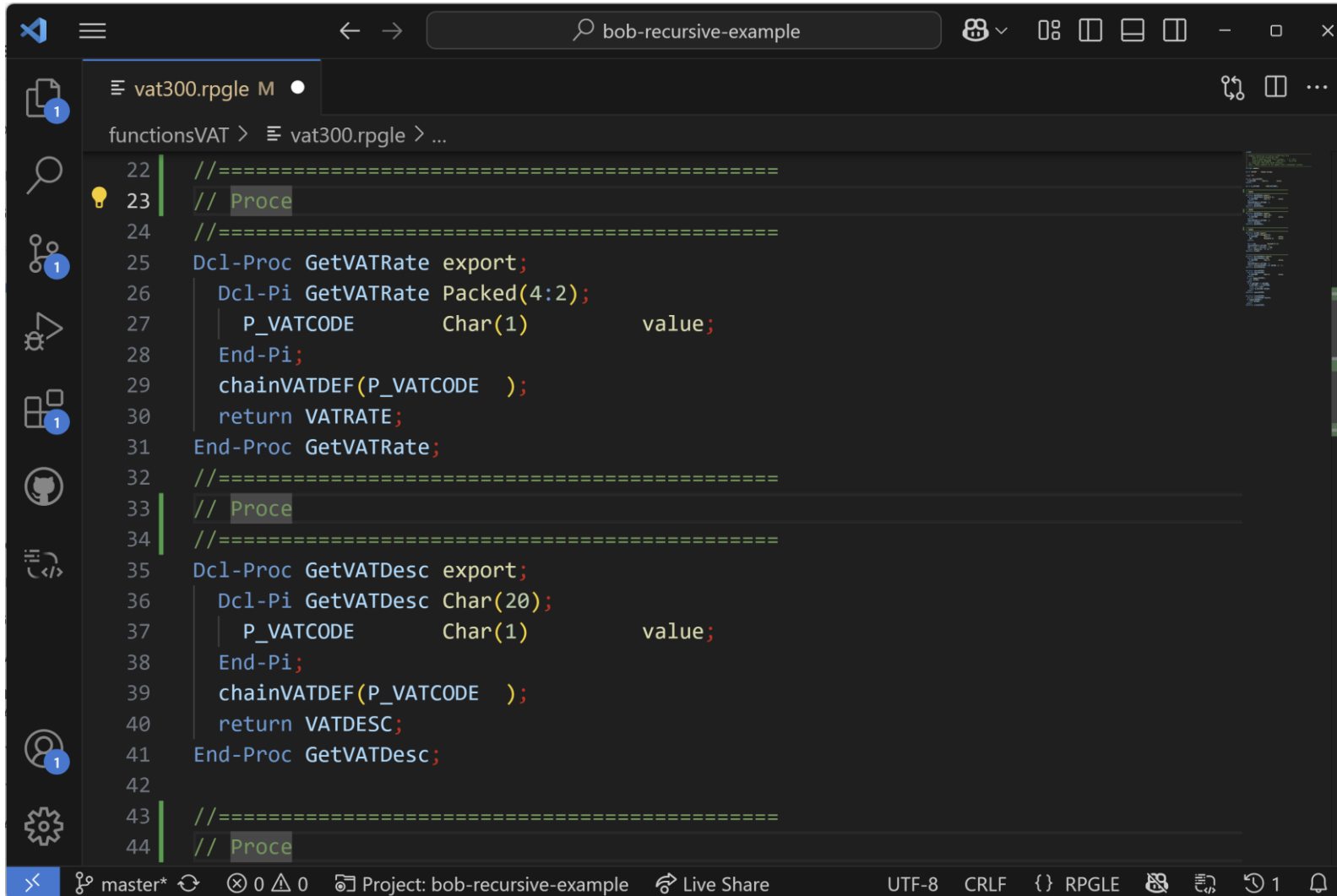
VS Code Features You Didn't Know Existed



Code Editing – Multi-cursor

Manually add secondary cursors →
Keyboard shortcut →

Alt + Click
Ctrl + Alt + Down or Ctrl + Alt + Up

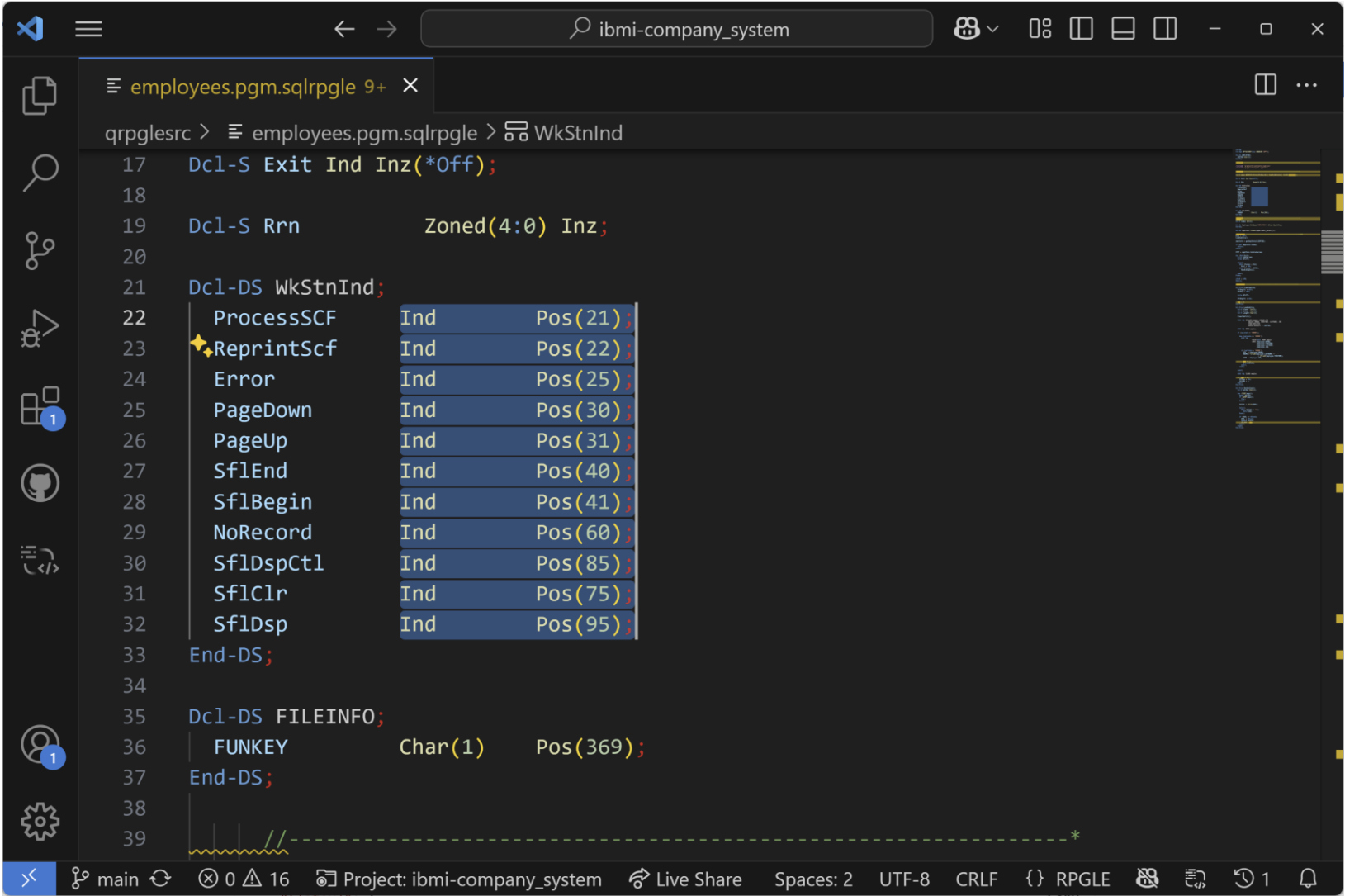


The screenshot shows the Visual Studio Code editor interface with a file named `vat300.rpgle` open. The editor displays RPGLE code with three secondary cursors (indicated by vertical green lines) placed on lines 23, 33, and 44, all of which start with `// Proce`. The code includes two procedure definitions: `GetVATRate` (lines 25-31) and `GetVATDesc` (lines 35-41). The status bar at the bottom shows the project name `bob-recursive-example`, the encoding `UTF-8`, and the line number `1`.

```
22 //=====
23 // Proce
24 //=====
25 Dcl-Proc GetVATRate export;
26   Dcl-Pi GetVATRate Packed(4:2);
27     P_VATCODE      Char(1)      value;
28   End-Pi;
29   chainVATDEF(P_VATCODE );
30   return VATRATE;
31 End-Proc GetVATRate;
32 //=====
33 // Proce
34 //=====
35 Dcl-Proc GetVATDesc export;
36   Dcl-Pi GetVATDesc Char(20);
37     P_VATCODE      Char(1)      value;
38   End-Pi;
39   chainVATDEF(P_VATCODE );
40   return VATDESC;
41 End-Proc GetVATDesc;
42
43 //=====
44 // Proce
```

Code Editing – Column (box) selection

Shift + Alt while dragging

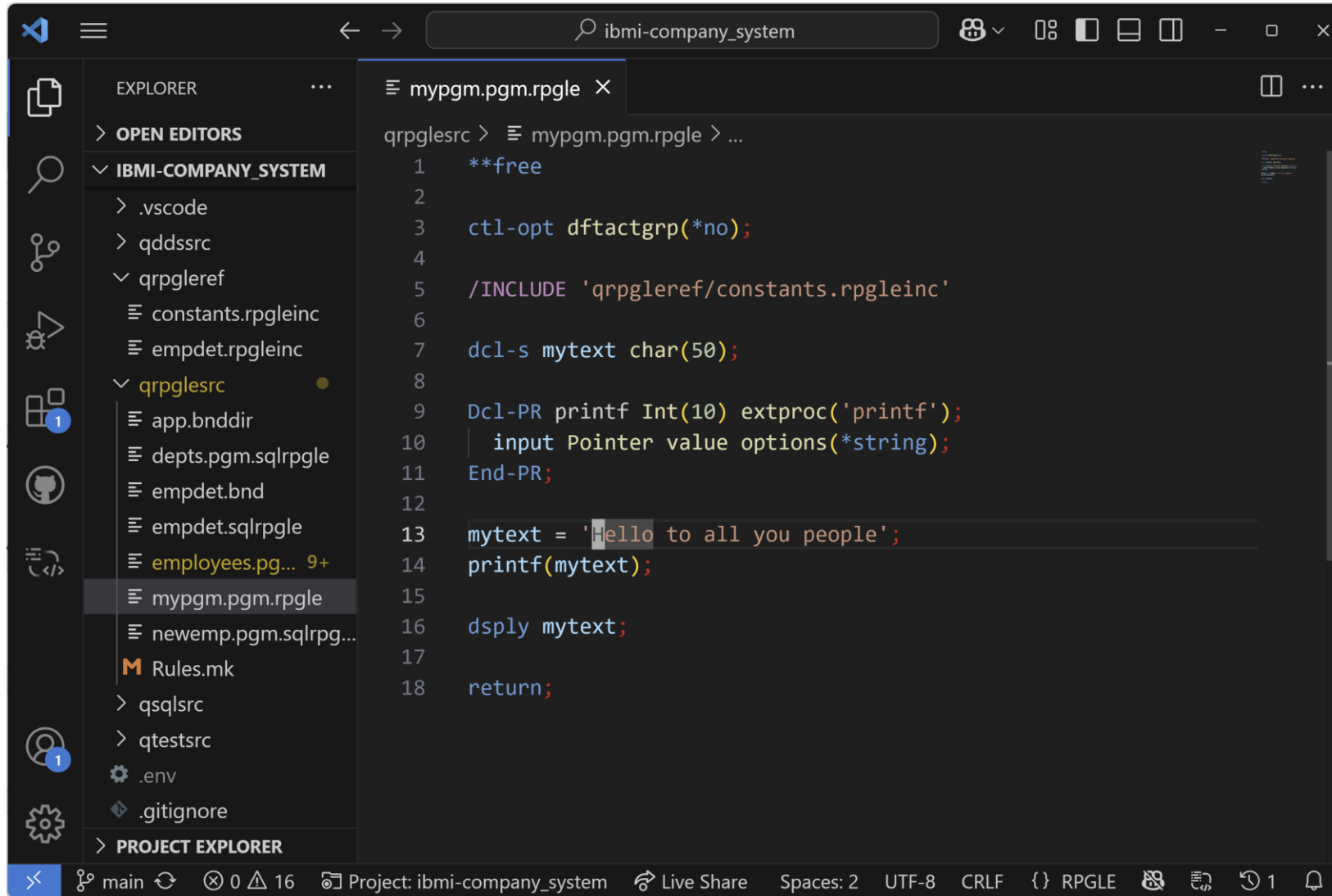


The screenshot shows the Visual Studio Code editor with a file named `employees.pgm.sqlrpgle` open. The editor is displaying RPGLE code. A column selection is being made, indicated by a blue highlighted area across lines 22 to 32. The selection covers the text `Ind Pos(21);` through `Ind Pos(95);`. The status bar at the bottom shows the project is `ibmi-company_system`, the file is in `UTF-8` encoding, and the line length is 16.

```
17 Dcl-S Exit Ind Inz(*Off);
18
19 Dcl-S Rrn          Zoned(4:0) Inz;
20
21 Dcl-DS WkStnInd;
22   ProcessSCF      Ind      Pos(21);
23   *ReprintScf     Ind      Pos(22);
24   Error           Ind      Pos(25);
25   PageDown        Ind      Pos(30);
26   PageUp          Ind      Pos(31);
27   SflEnd           Ind      Pos(40);
28   SflBegin         Ind      Pos(41);
29   NoRecord         Ind      Pos(60);
30   SflDspCtl        Ind      Pos(85);
31   SflClr           Ind      Pos(75);
32   SflDsp           Ind      Pos(95);
33 End-DS;
34
35 Dcl-DS FILEINFO;
36   FUNKEY          Char(1)   Pos(369);
37 End-DS;
38
39
```

Code Editing – Overtyp vs. Insert Mode

Use the command “Toggle Overtyp/Insert Mode”

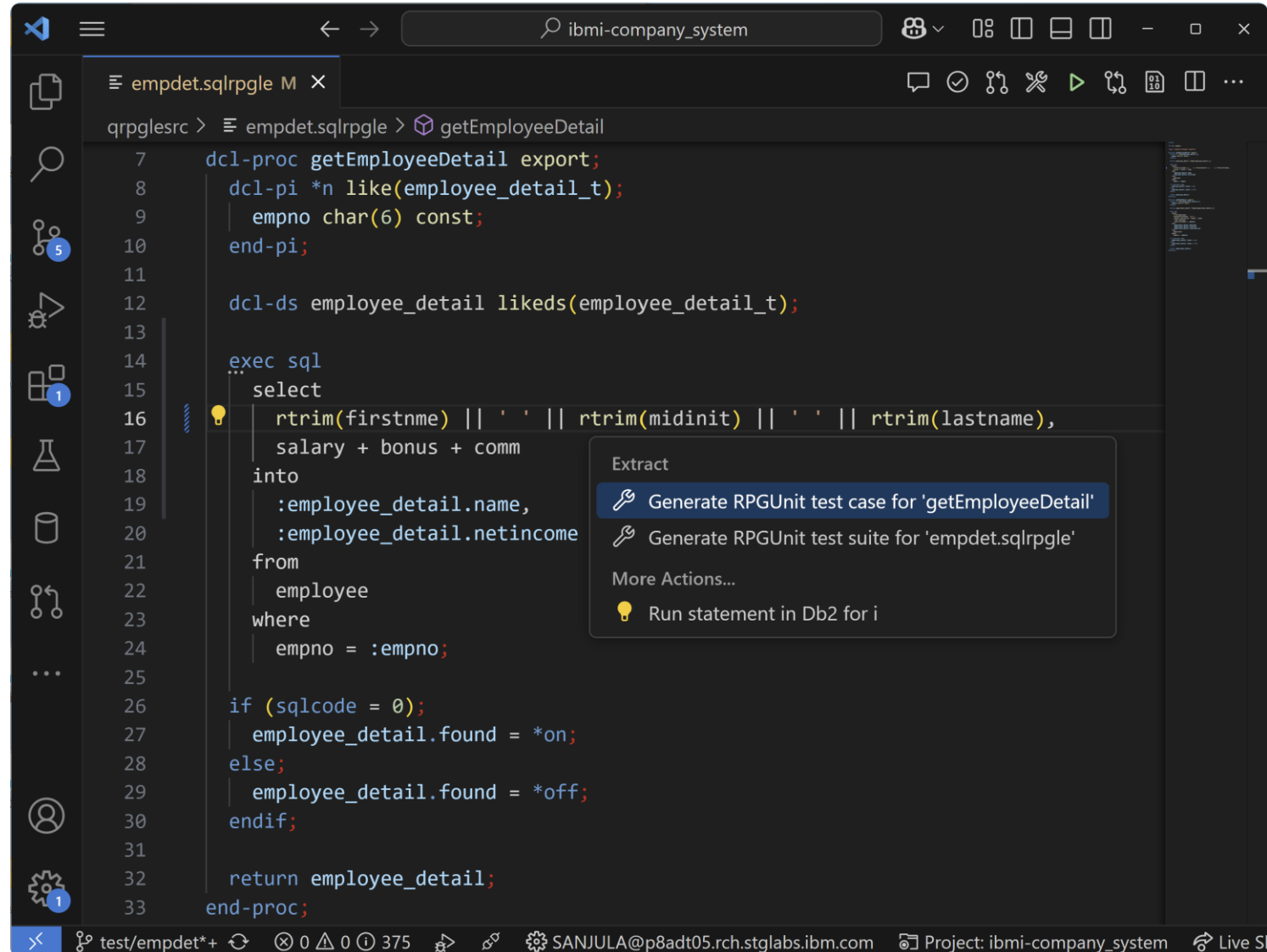


Code Editing – Code Snippets

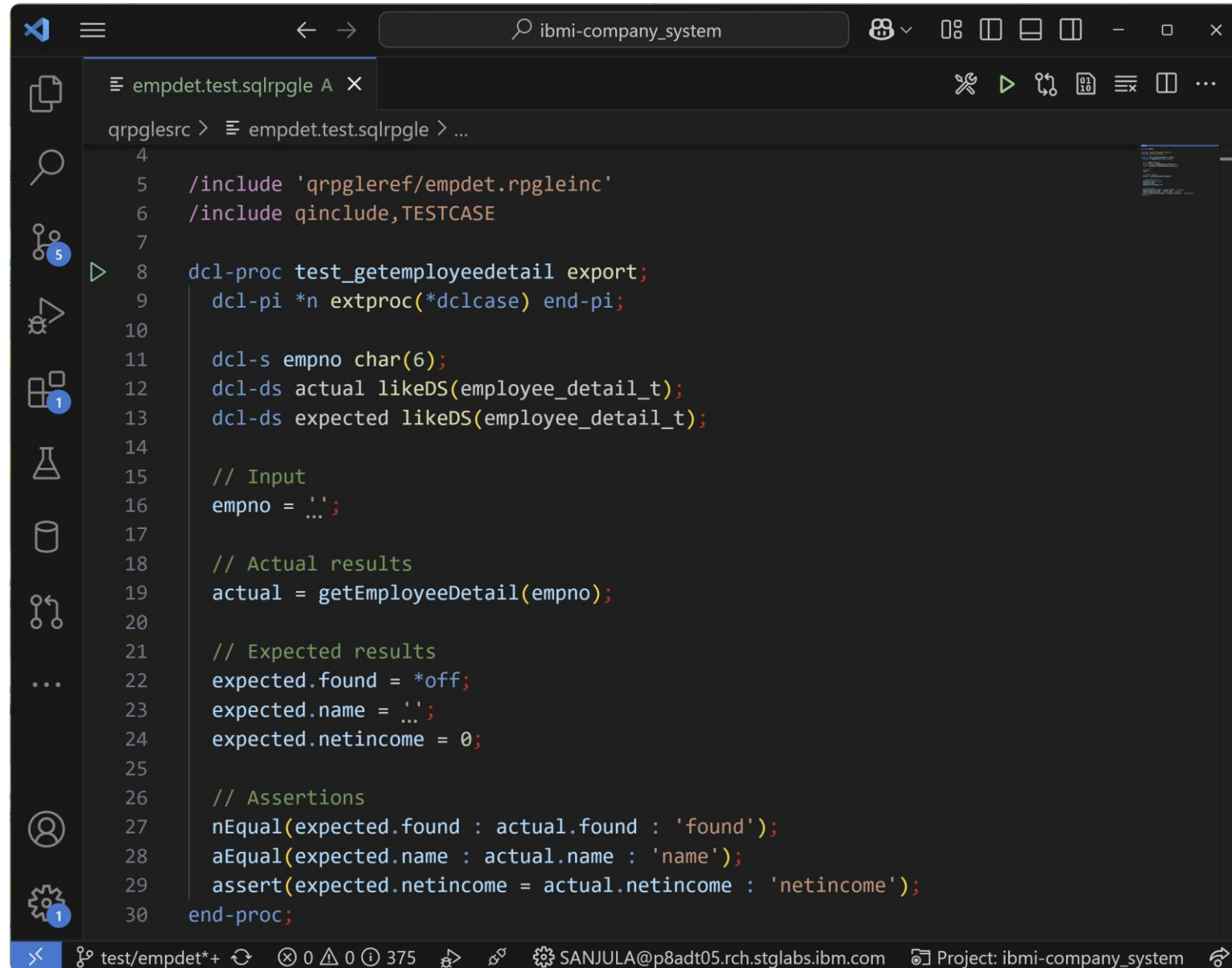
Code Editing – Code Actions (Surround with Monitor)

Code Editing – Code Actions (Test Stub Generation)

Generate RPGUnit test case or test suite



Code Editing – More Code Actions (Test Stub Generation)



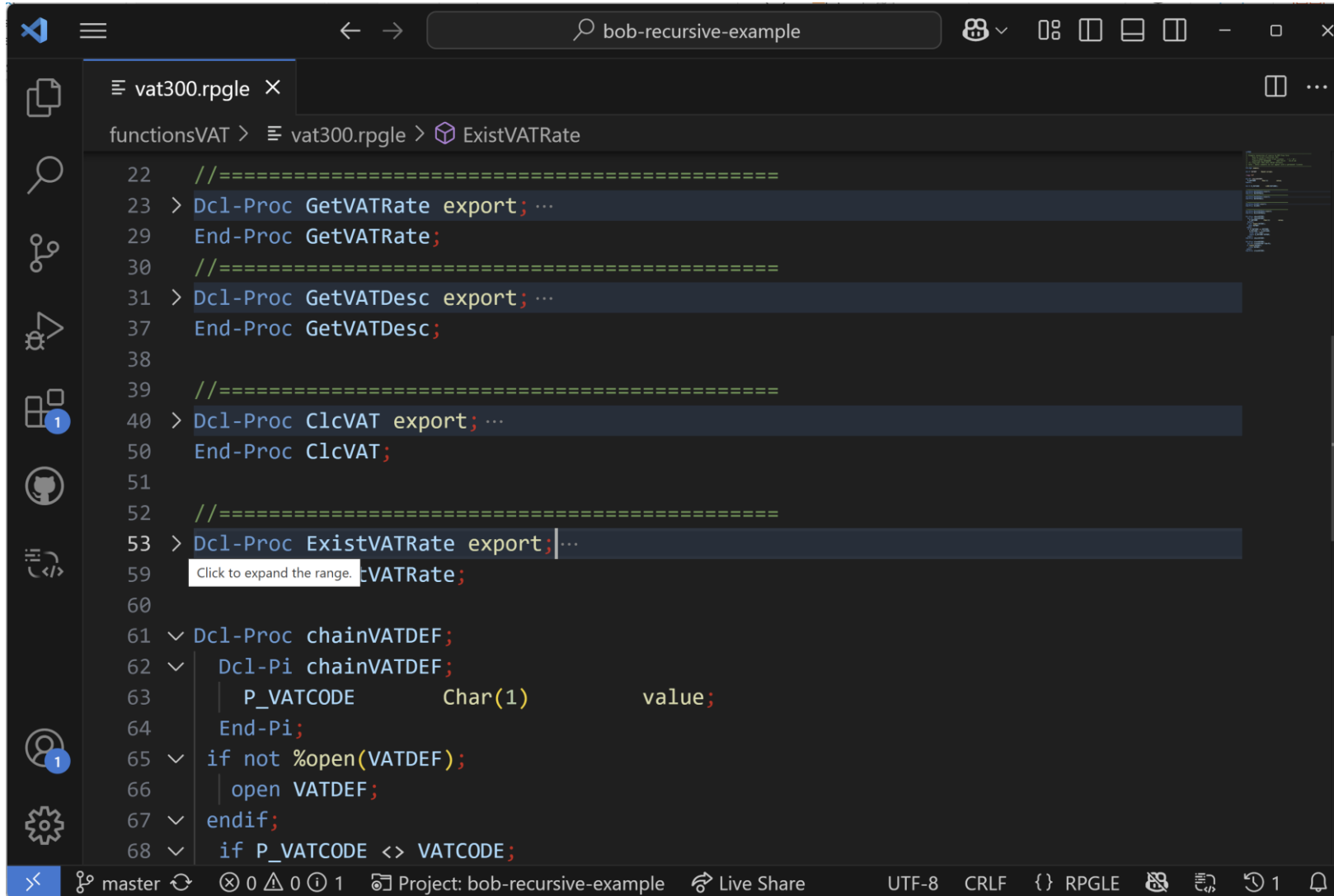
The screenshot shows the Visual Studio Code editor interface with a file named `empdet.test.sqlrpgle` open. The editor displays a QP/SQL program with the following code:

```
4  
5  /include 'qrpqleref/empdet.rpgleinc'  
6  /include qinclude,TESTCASE  
7  
8  dcl-proc test_getemployeedetail export;  
9      dcl-pi *n extproc(*dclcase) end-pi;  
10  
11     dcl-s empno char(6);  
12     dcl-ds actual likeDS(employee_detail_t);  
13     dcl-ds expected likeDS(employee_detail_t);  
14  
15     // Input  
16     empno = '..';  
17  
18     // Actual results  
19     actual = getEmployeeDetail(empno);  
20  
21     // Expected results  
22     expected.found = *off;  
23     expected.name = '..';  
24     expected.netincome = 0;  
25  
26     // Assertions  
27     nEqual(expected.found : actual.found : 'found');  
28     aEqual(expected.name : actual.name : 'name');  
29     assert(expected.netincome = actual.netincome : 'netincome');  
30 end-proc;
```

The code is being edited in the `empdet.test.sqlrpgle` file. The editor shows a search bar at the top with the text `ibmi-company_system`. The left sidebar contains icons for Explorer, Search, Source Control, Run and Debug, Test Explorer, and Extensions. The bottom status bar shows the file path `test/empdet*+`, a refresh icon, a status bar with `0 0 375`, a user icon, the email `SANJULA@p8adt05.rch.stglabs.ibm.com`, and the project name `Project: ibmi-company_system`.

Code Navigation – Code Folding

Works on procedures, prototypes, data structures, etc.



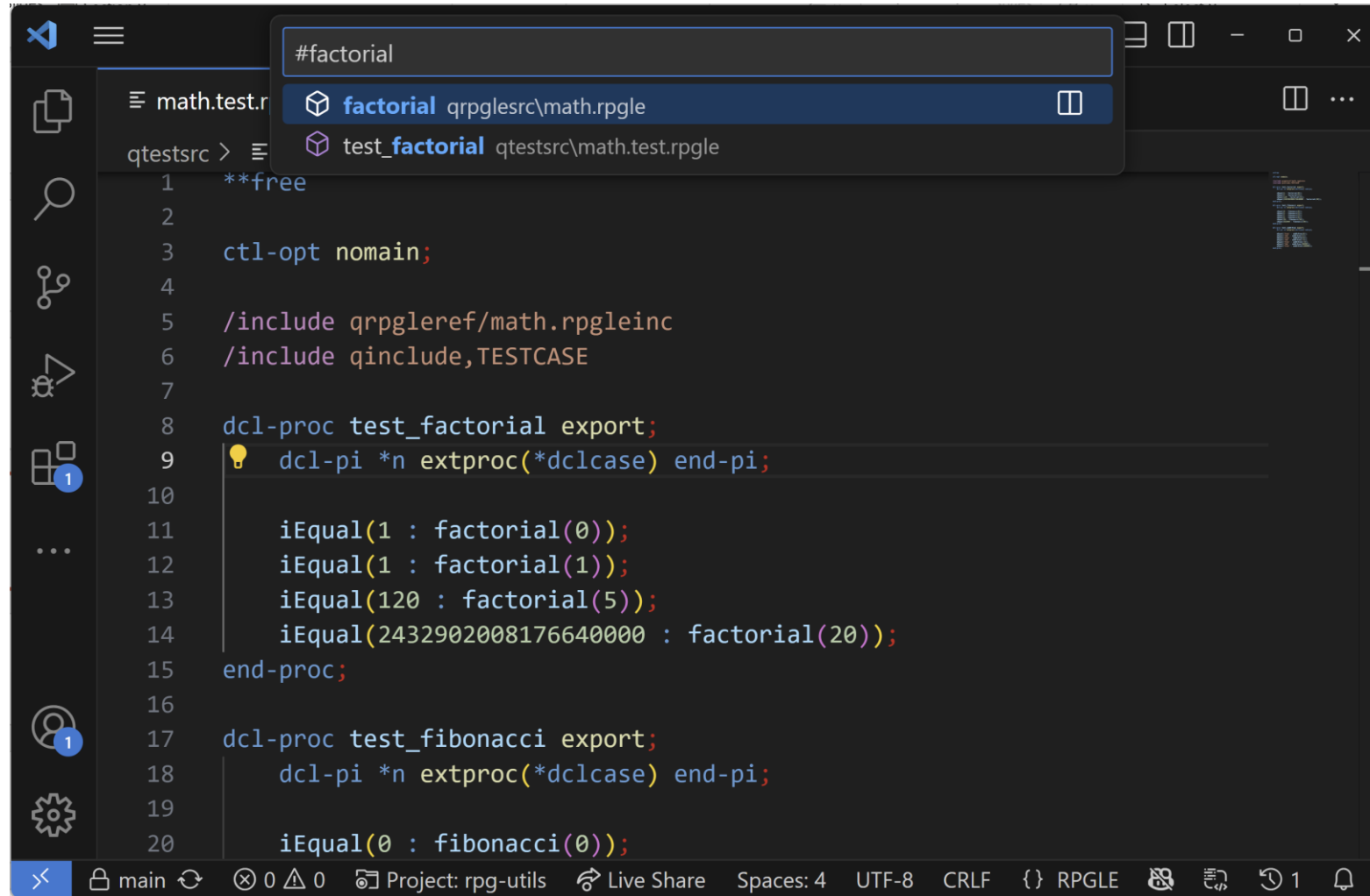
The screenshot shows the Visual Studio Code interface with a file named `vat300.rpgle` open. The breadcrumb navigation shows `functionsVAT > vat300.rpgle > ExistVATRate`. The code editor displays the following code with several sections folded:

```
22 //=====
23 > Dcl-Proc GetVATRate export; ...
29 End-Proc GetVATRate;
30 //=====
31 > Dcl-Proc GetVATDesc export; ...
37 End-Proc GetVATDesc;
38
39 //=====
40 > Dcl-Proc ClcVAT export; ...
50 End-Proc ClcVAT;
51
52 //=====
53 > Dcl-Proc ExistVATRate export; ...
59 Click to expand the range. tVATRate;
60
61 ∨ Dcl-Proc chainVATDEF;
62 ∨ Dcl-Pi chainVATDEF;
63 | P_VATCODE Char(1) value;
64 End-Pi;
65 ∨ if not %open(VATDEF);
66 | open VATDEF;
67 ∨ endif;
68 ∨ if P_VATCODE <> VATCODE;
```

The status bar at the bottom shows the current branch is `master`, there are 0 errors and 1 warning, and the project is `bob-recursive-example`. Other status bar items include `UTF-8`, `CRLF`, `{ } RPGLE`, and a `Live Share` button.

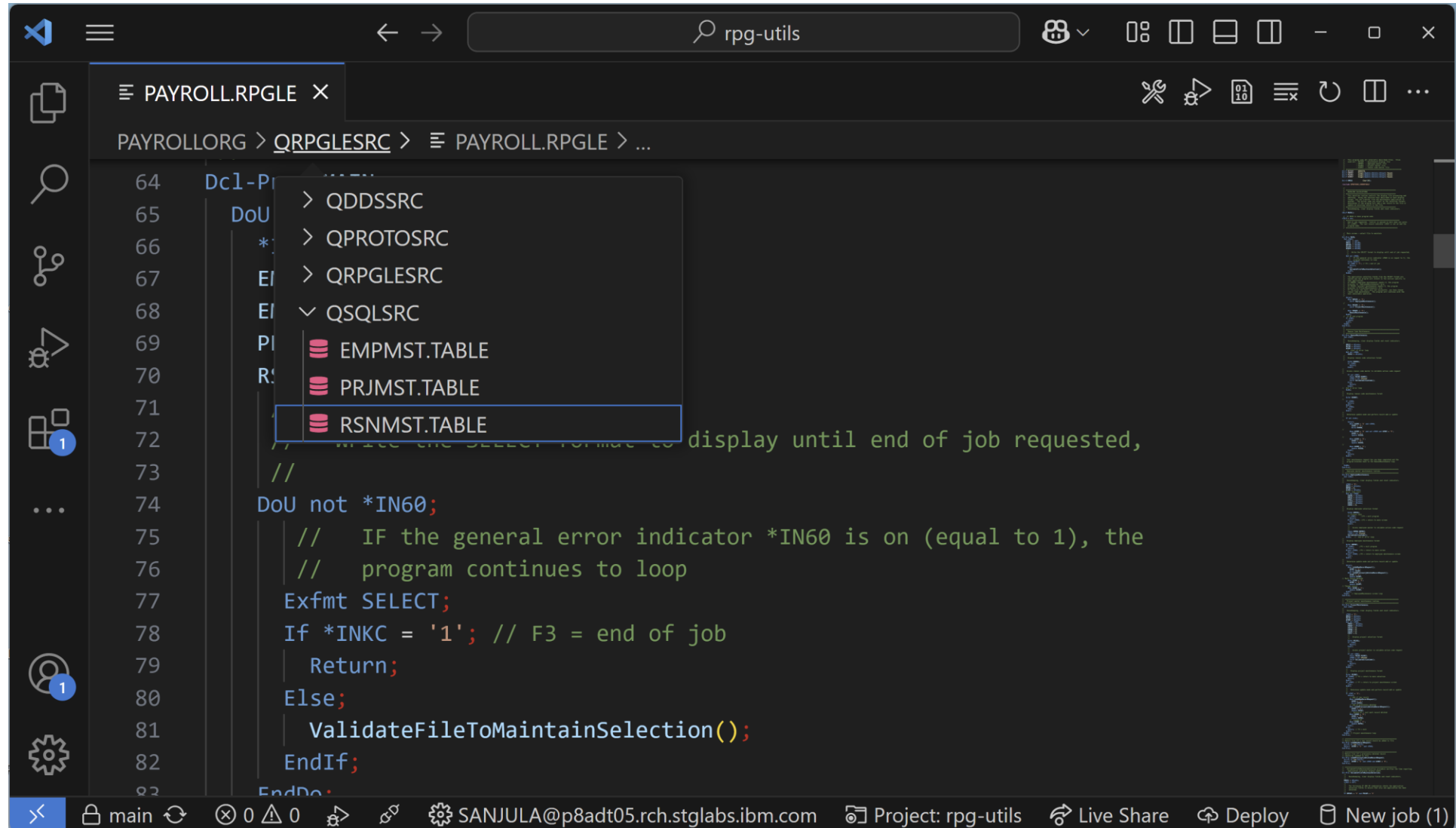
Code Navigation – Go To Symbol in Editor (or Workspace)

Use the command “Go To Symbol in Editor”, “Go To Symbol in Editor by Category” or “Go To Symbol in Workspace”



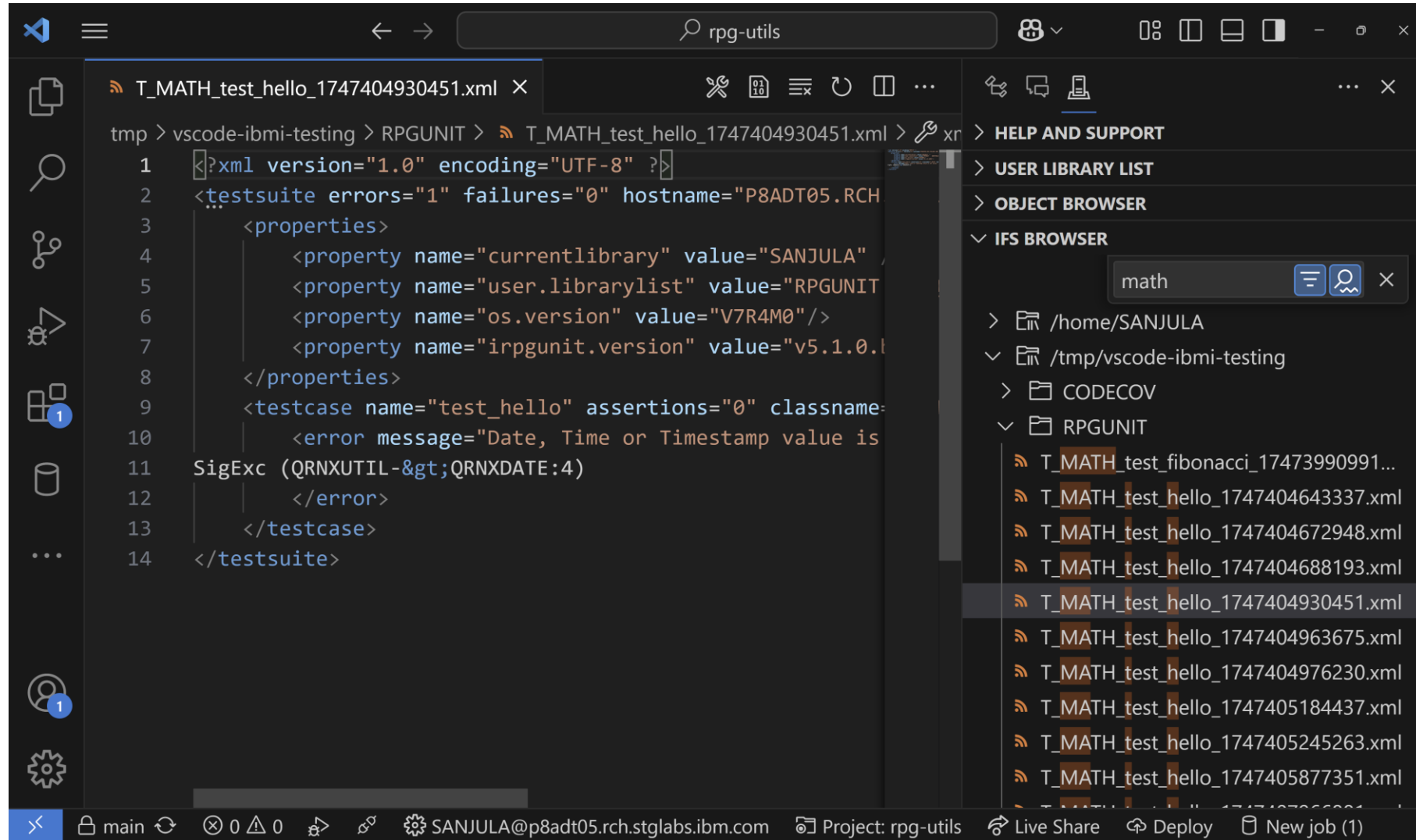
Code Navigation – Breadcrumbs

Works in local, QSYS, and IFS file systems!



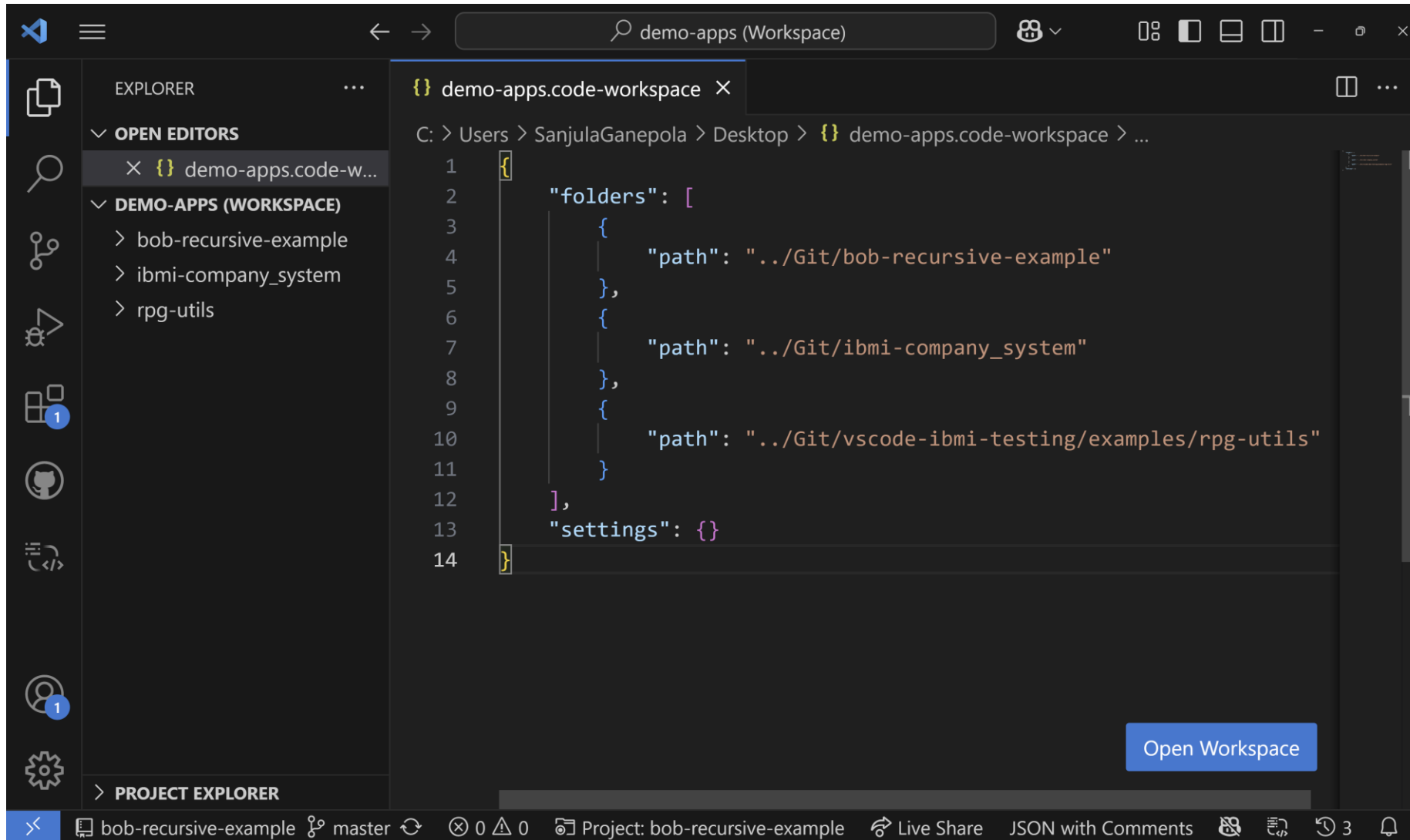
Code Navigation – Tree View Searching

Use “Ctrl + Alt + f” in any view in VS Code (including the Object/IFS Browser!)



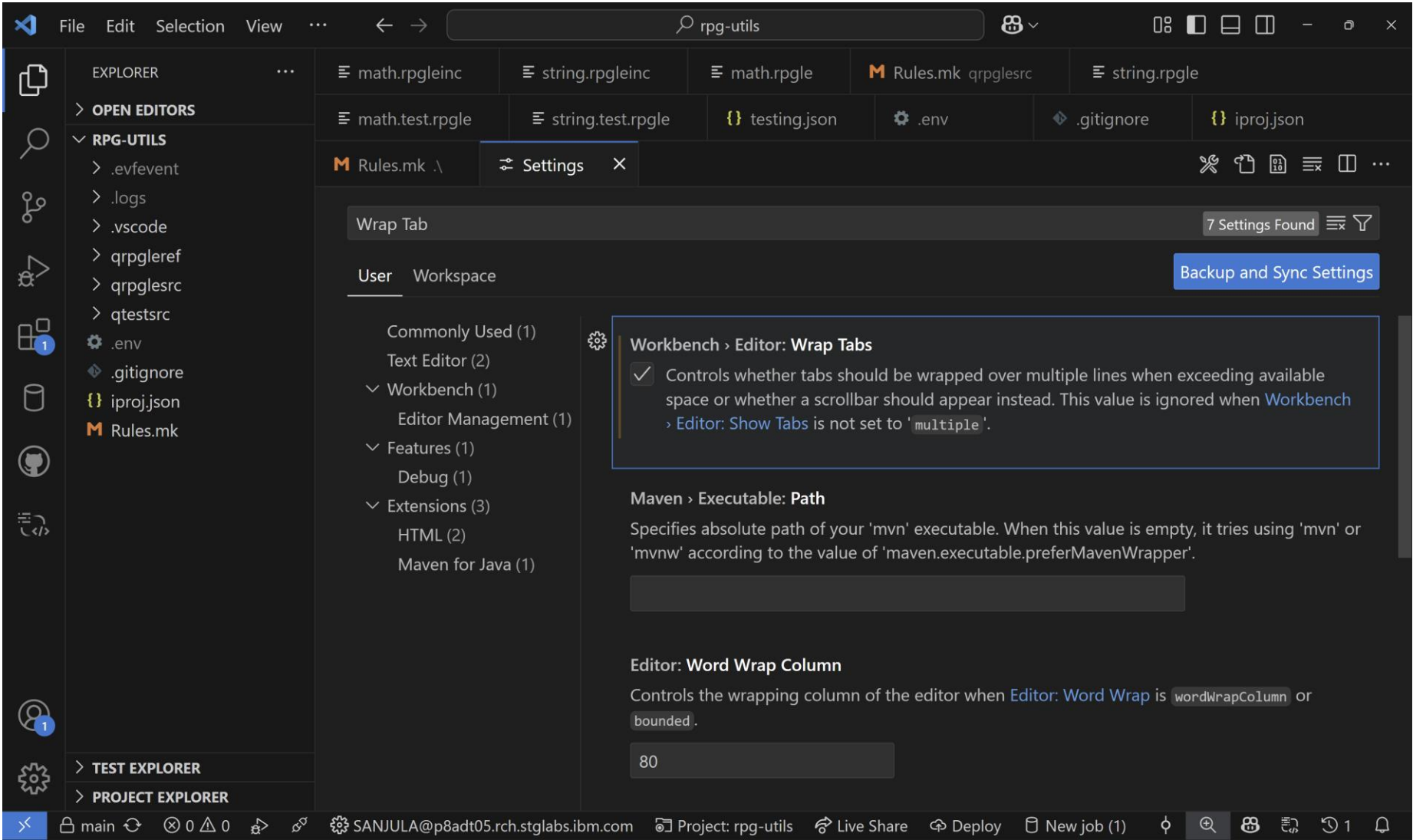
Code Navigation – Multi-root Workspaces

Use the command “Add Folder to Workspace” and “Save Workspace As”



Settings – Wrap Tabs

Enable the “Wrap Tabs” VS Code setting



Extensions – Output Channels

Sanjula Ganepola - VS Code Features You Didn't Know Existed

Please take the last minute of this session to complete the evaluation. A direct link to the evaluation can be found using the QR code to the right.



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