

# VS Code Day

Empowering Legacy Software Devs

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The screenshot shows the Visual Studio Code interface with an IBM i extension. The left sidebar displays the file structure under 'IBMI-COMPANY\_SYSTEM'. The main editor shows the source code for 'empfind.sqlcblle'. A terminal window on the right, titled 'IBM i 5250', displays a 'Work with Objects' menu and a list of objects.

**File Explorer:**

- IBMI-COMPANY\_SYSTEM
  - .vscode
  - qcblesrc
    - empfind.sqlcblle
    - test2.cblle
  - qdssrc
  - qrpgleref
  - qrglesrc
    - depts.pgm.sqlrpgle
    - employees.pgm.sqlrpgle
    - mypgm.pgm.rpgle
  - Rules.mk
  - .gitignore
  - iproj.json
  - makefile
  - readme.md
  - Rules.mk
- OUTLINE

**Terminal:** ibmi-company\_system

**Code Editor:** empfind.sqlcblle

```

1 IDENTIFICATION DIVISION.
2   PROGRAM-ID. BADNAME.
3   DATA DIVISION.
4
5 * Called with:
6 * CALL PGM(EXAMPLE3) PARM('000010' ' ')
7
8 WORKING-STORAGE SECTION.
9   EXEC SQL INCLUDE SQLCA END-EXEC.
10  * Variables
11
12 LINKAGE SECTION.
13  * Input struct
14  01 base.
15    05 empno PIC X(6).
16  * Output struct
17  01 result.
18    05 fullname PIC X(25).
19
20 PROCEDURE DIVISION USING base result.
21  MAINLINE.
22
23    MOVE " " TO fullname.
24
25    IF (EMPNO OF BASE IS NOT = " ")
26      EXEC SQL
27        SELECT FIRSTNAME || " " || LASTNAME
28        INTO :fullname
29        FROM SAMPLE.EMPLOYEE
30        WHERE EMPNO = :empno
31      END-EXEC
32    END-IF.
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```

**Terminal (IBM i 5250):**

Work with Objects

Type options, press Enter.

Opt	Object	Type	Library	Attribute	Text
—	EMP	*FILE	SAMPLE	DDMF	
—	EMP_ACT	*FILE	SAMPLE	DDMF	
—	EMP_PHOTO	*FILE	SAMPLE	PF	
—	EMP_P00001	*FILE	SAMPLE	LF	
—	EMP_RESUME	*FILE	SAMPLE	PF	
—	EMPIACT	*FILE	SAMPLE	DDMF	
—	EMPLOYEE	*FILE	SAMPLE	PF	
—	EMPPROJECT	*FILE	SAMPLE	PF	
—	EMPFILE	*PGM	LIAMA	CBLLE	
—	EMPFIN	*PGM	LIAMA	CBLLE	
—	EMPLOYEES	*PGM	LIAMA	RPGLE	

Parameters for options 5, 7 and 13 or command  
====>  
F3=Exit F4=Prompt F5=Refresh F9=Retrieve F11=Display names and types  
F12=Cancel F16=Repeat position to F17=Position to F24=More keys

5250 MW 002/016  
007/020

**Problems:** 105

LNC0810: Module name 'EMPFIN' does not match outermost PROGRAM-ID name 'BADNAME'. Accepted. (10) [Ln 2, Col 22]

File Explorer, Terminal, Output, Debug Console, Comments, IBM I, PROBLEMS, TERMINAL, OUTPUT, DEBUG CONSOLE, COMMENTS, IBM I, SERVERS, SETTINGS: oss73dev, TERMINALS, ACTIONS, OUTPUT, DEPLOY, LNC0810: Module name 'EMPFIN' does not match outermost PROGRAM-ID name 'BADNAME'. Accepted. (10) [Ln 2, Col 22], Ln 2, Col 29 (7 selected), Spaces: 2, LF, COBOL.

```
Columns . . . : 6 100                                     Edit  
SEU==>  
FMT ** ... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+... 0  
0030.00      PageUp      Ind      Pos(31);  
0031.00      SfLEnd      Ind      Pos(40);  
0032.00      SfLBegin     Ind      Pos(41);  
0033.00      NoRecord    Ind      Pos(60);  
0034.00      SfLDspCtl   Ind      Pos(85);  
0035.00      SfLClr      Ind      Pos(75);  
0036.00      SfLDsp      Ind      Pos(95);  
0037.00      End-DS;  
0038.00  
0039.00 DFILEINFO      DS  
0040.00 D FILENM        *FILE  
0041.00 D CPFID         46      52  
0042.00 D MBRNAM        129     138  
0043.00 D FMTNAM        261     270  
0044.00 D CURSED        370     371B 0  
0045.00 D FUNKEY        369     369  
0046.00 D SFLRRN_TOP    378     379B 0  
0047.00 D SF_RRN         376     377I 0  
0048.00 D SF_RCDS        380     381I 0  
0049.00  
  
F3=Exit  F4=Prompt  F5=Refresh  F9=Retrieve  F10=Cursor  F11=Toggle  
F16=Repeat find  F17=Repeat change  F24=More keys  
String 37 found.  
5250          MW          014/012
```



# IBM i



Db2



PostgreSQL



MariaDB



Redis



Healthcare



Travel



Logistics



Banking



Retail



COBOL



Java



RPGLE



Node.js



PHP



Python



IoT



Quantum



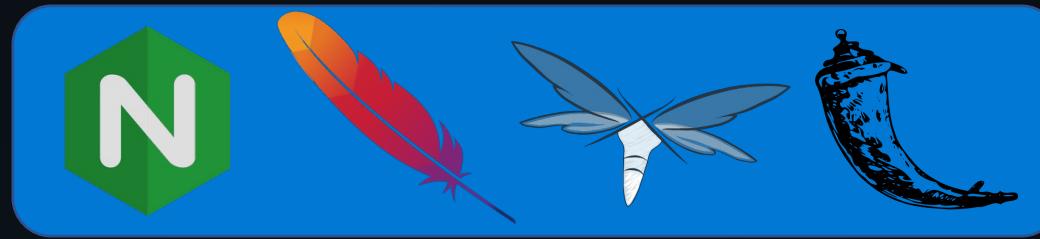
ML



Frontend



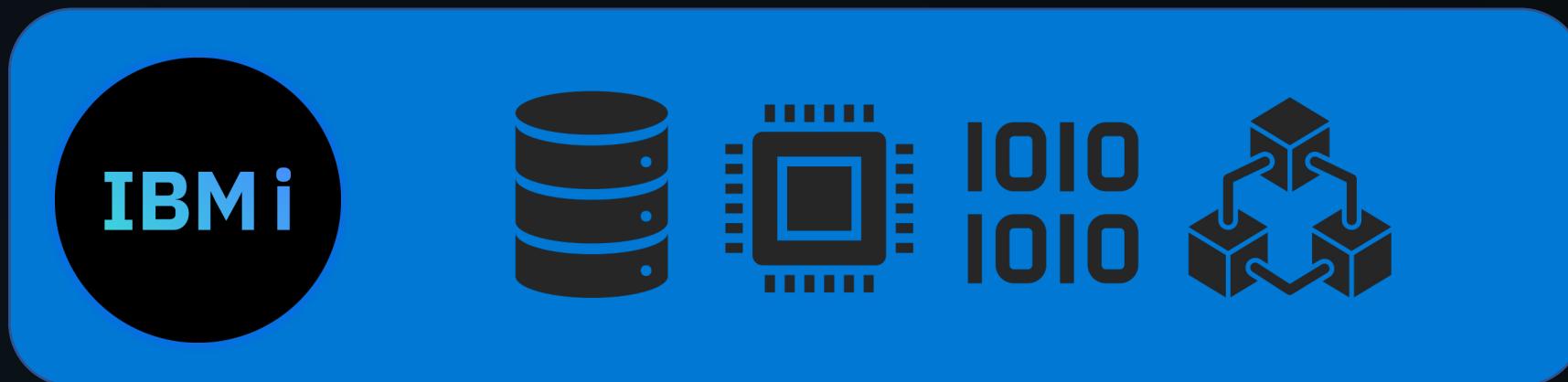
Middleware



Backend







Runtime environments and databases (on-prem or in the cloud)

Development environment, with language tools

