



Purpose

- Use OCCURS clause to define arrays and tables
- Retrieve data items stored in arrays and tables with subscript and index
- Use PERFORM VARYING or SEARCH statement to access arrays and tables
- Compile-time table and runtime table

Problem

1. Download **Lab7.cbl** AND **lab7.dat** from D2L.
2. Complete the **DOs** in Lab7.cbl
 - Define the table below as a compile-time table in the WORKING-STORAGE SECTION.

Wages	Tax Rate
1000	6%
2000	6.5%
3000	7%
4000	8%

- Use a PERFORM VARYING statement with a subscript to retrieve the data stored in the above table and display them on the screen as follows.

```
1,000 6.00%
2,000 6.50%
3,000 7.00%
4,000 8.00%
```

- Define a runtime table and load the data from lab7.dat. Use PERFORM VARYING statement with an index (rather than a subscript) to display the data loaded to your program as follows.

```
08 GEOLOGY
09 BIOLOGY
11 GEOGRAPHY
13 HISTORY
14 PHILOSOPHY
15 COMP SCI
18 ART
```

- Prompt the user to enter a department code, and use a SEARCH statement to look up the department table and display the department name.

ENTER A DEPARTMENT CODE 11 GEOGRAPHY	ENTER A DEPARTMENT CODE 12 NOT FOUND!
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3. **DEMO** and **SUBMIT**
 - a. **SHOW** your program is displaying data correctly.
 - b. **SUBMIT Lab7.cbl** to the Dropbox **Lab7**.