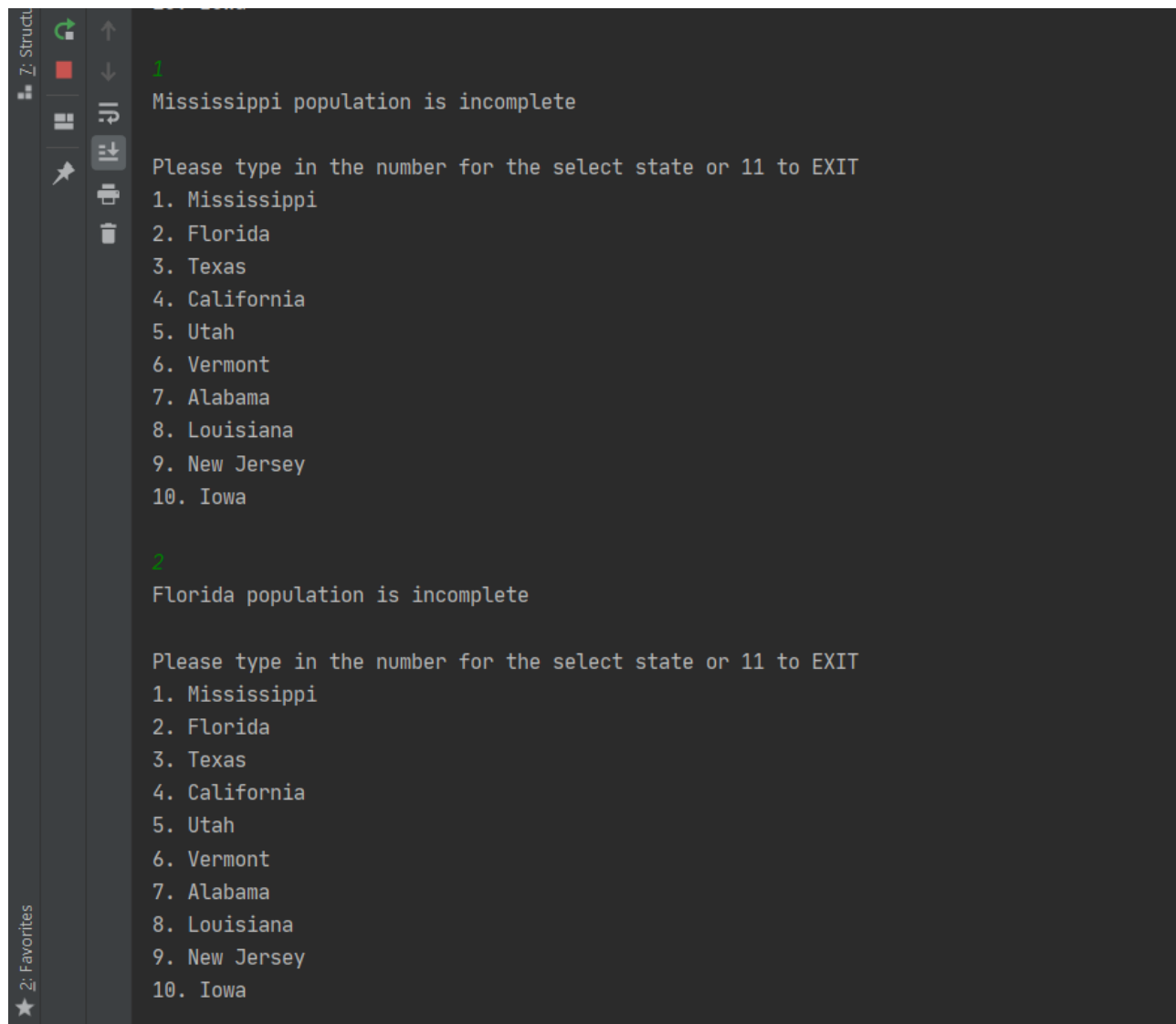


Studding is used for a framework and does not include detailed code. This type of coding is when a programmer leaves out the actual functions calls and outputs a message to remind the programmer what has not be completed. It's a good tool when making a framework of code in a team project. The print out statements will be communicated directly with the team on what is need to be completed. If it is properly applied it will make code more readable, formatted, and correct. Studding is a logiacal way to arragne code without worrying to much about the details. The output statements will remind the programmer or team what actions have not been taken yet.

```
1  """*****  
2  Suzanne Moore  
3  CSC 414 G001  
4  9/22/2020  
5  USM  
6  Using a self-selected programming language and menu display method create a stubbed code file and executable.  
7  Requirements:  
8  1.Your menu shall contain at least 10 menu items  
9  2.Your menu shall contain an exit item selection  
10 3.Your menu shall contain an error response for invalid entry  
11 4.Your menu shall display a message indicating that an item is incomplete when selected  
12 5.Your menu shall be continuously displayed until the exit item is selected.  
13 6.The item selection method is up to the developer  
14 7.Provide a test results document showing the correct execution via output display captures.  
15 In this program we be asking a user to select a state and provide the information:  
16         Capital  
17         Unemployment Rate  
18         Governor  
19         Population  
20 - using if...elif...else Statements with a function for each individual state with a individual function  
21 *****  
22  
23 # user will select one of the states (number choice)  
24 # to see the information we provide  
25  
26 def states():  
27     print("1. Mississippi")  
28     print("2. Florida")  
29     print("3. Texas")  
30     print("4. California")  
31     print("5. Utah")  
32     print("6. Vermont")  
33     print("7. Alabama")  
34     print("8. Louisiana")  
missi()
```

Here we have comments to communicate to the programmer or team what is expected of the code or framework. Having comments of what the code is expected to do leads to less confusion and reminder. It is always recommended to comment what a program does for teamwork or future updates. In this program the comments tell the team members what the program does and what details are giving about each state that need to be updated.



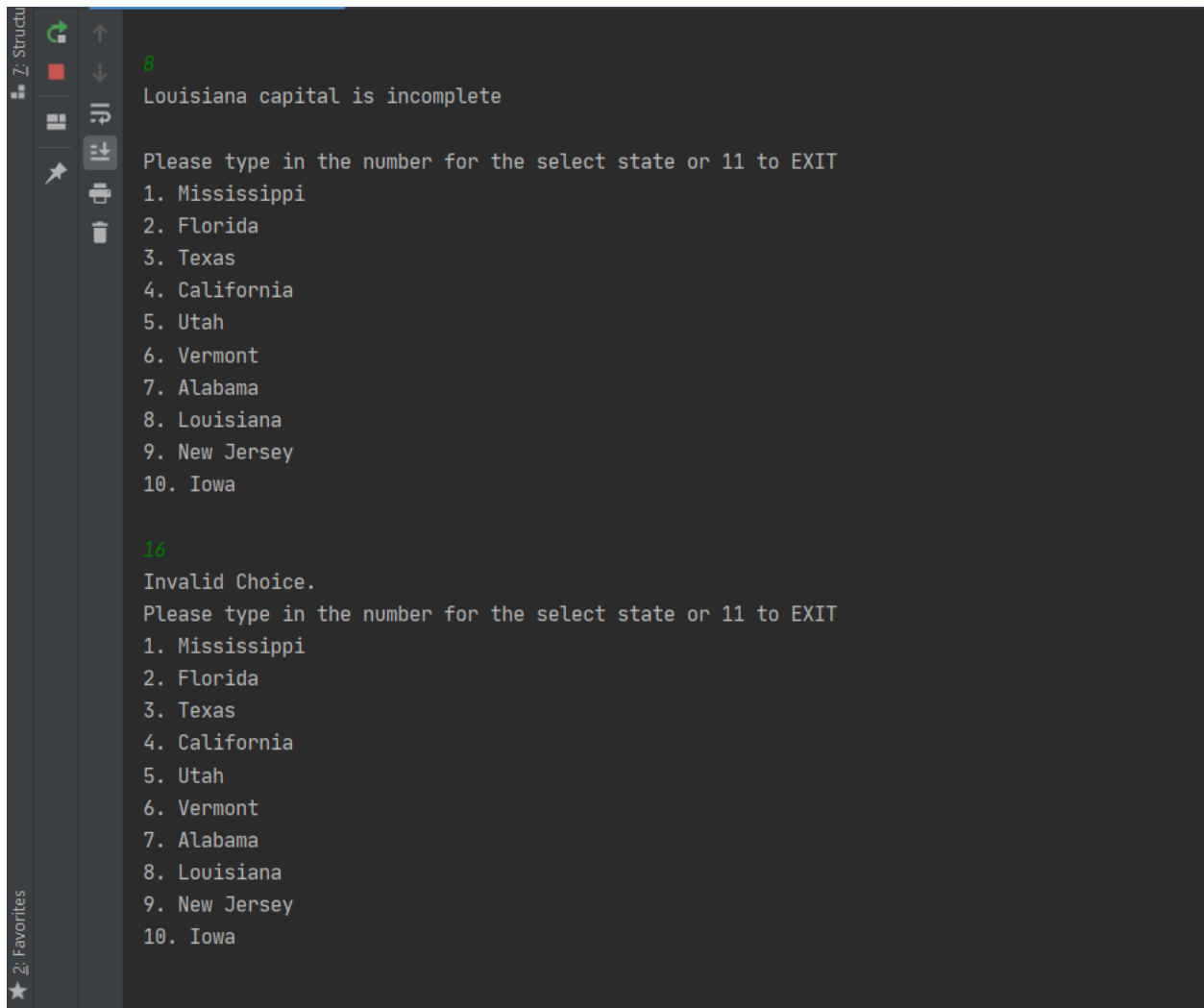
```
1
Mississippi population is incomplete

Please type in the number for the select state or 11 to EXIT
1. Mississippi
2. Florida
3. Texas
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa

2
Florida population is incomplete

Please type in the number for the select state or 11 to EXIT
1. Mississippi
2. Florida
3. Texas
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa
```

Here we show the user the choices they can select and an option to exit. The print statements inform what is not complete. For example, Florida population is incomplete, which is tell the team that functions are incomplete.

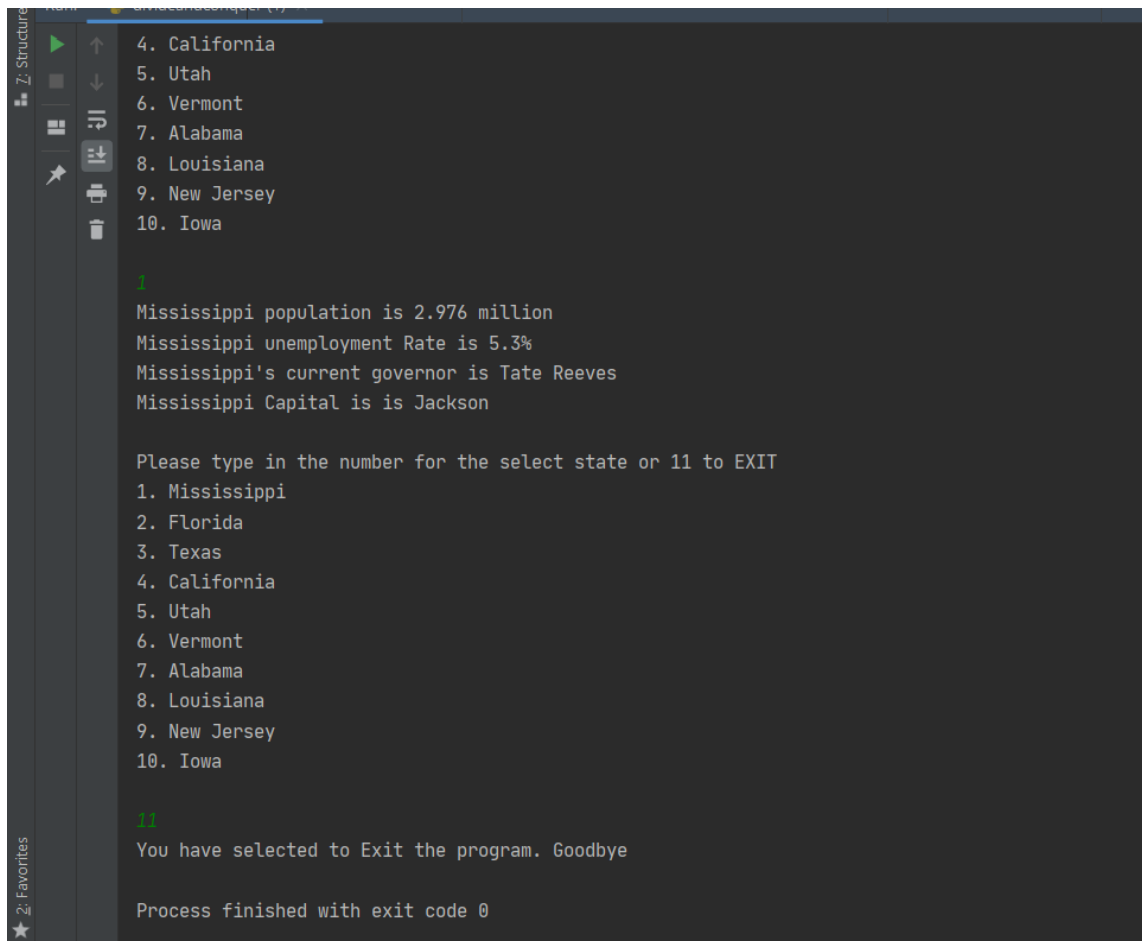


```
8
Louisiana capital is incomplete

Please type in the number for the select state or 11 to EXIT
1. Mississippi
2. Florida
3. Texas
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa

16
Invalid Choice.
Please type in the number for the select state or 11 to EXIT
1. Mississippi
2. Florida
3. Texas
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa
```

Here we invalid choice error message to the user so they will input a correct number. This practice is critical for high quality code since you do not want user to input whatever they want or allow the program to get stuck in an infinite loop.



The screenshot shows a code editor with a dark theme. On the left, there is a sidebar with icons for 'Structure' and 'Favorites'. The main area displays the output of a program. The output starts with a list of states: 4. California, 5. Utah, 6. Vermont, 7. Alabama, 8. Louisiana, 9. New Jersey, and 10. Iowa. This is followed by a green prompt character '1' and four lines of information about Mississippi: 'Mississippi population is 2.976 million', 'Mississippi unemployment Rate is 5.3%', 'Mississippi's current governor is Tate Reeves', and 'Mississippi Capital is is Jackson'. Then, a prompt asks the user to 'Please type in the number for the select state or 11 to EXIT', followed by a list of states: 1. Mississippi, 2. Florida, 3. Texas, 4. California, 5. Utah, 6. Vermont, 7. Alabama, 8. Louisiana, 9. New Jersey, and 10. Iowa. A green prompt character '11' indicates the user's selection. The output then says 'You have selected to Exit the program. Goodbye' and ends with 'Process finished with exit code 0'.

```
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa

1
Mississippi population is 2.976 million
Mississippi unemployment Rate is 5.3%
Mississippi's current governor is Tate Reeves
Mississippi Capital is is Jackson

Please type in the number for the select state or 11 to EXIT
1. Mississippi
2. Florida
3. Texas
4. California
5. Utah
6. Vermont
7. Alabama
8. Louisiana
9. New Jersey
10. Iowa

11
You have selected to Exit the program. Goodbye

Process finished with exit code 0
```

Here is an example on how the program's output should look after all functions are completed by the team or the programmer and an exit statement.