

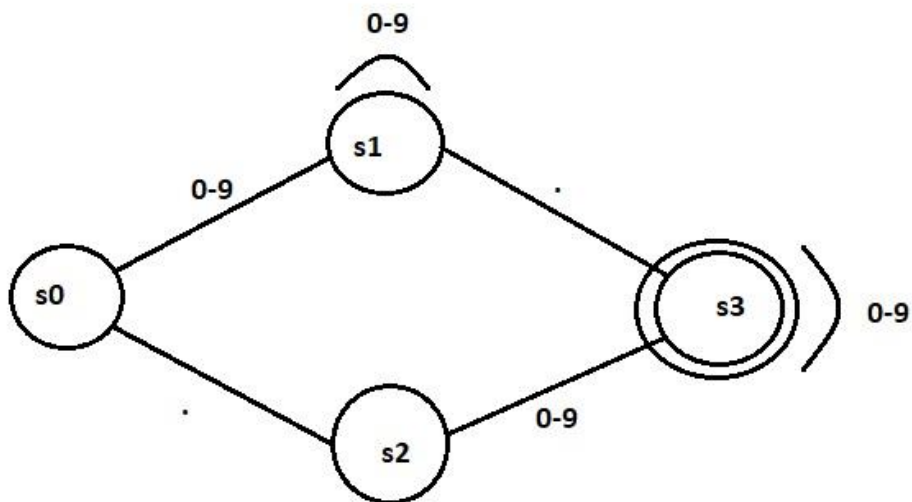
# Μεταγλωττιστές 2020

## Προγραμματιστική Εργασία #1

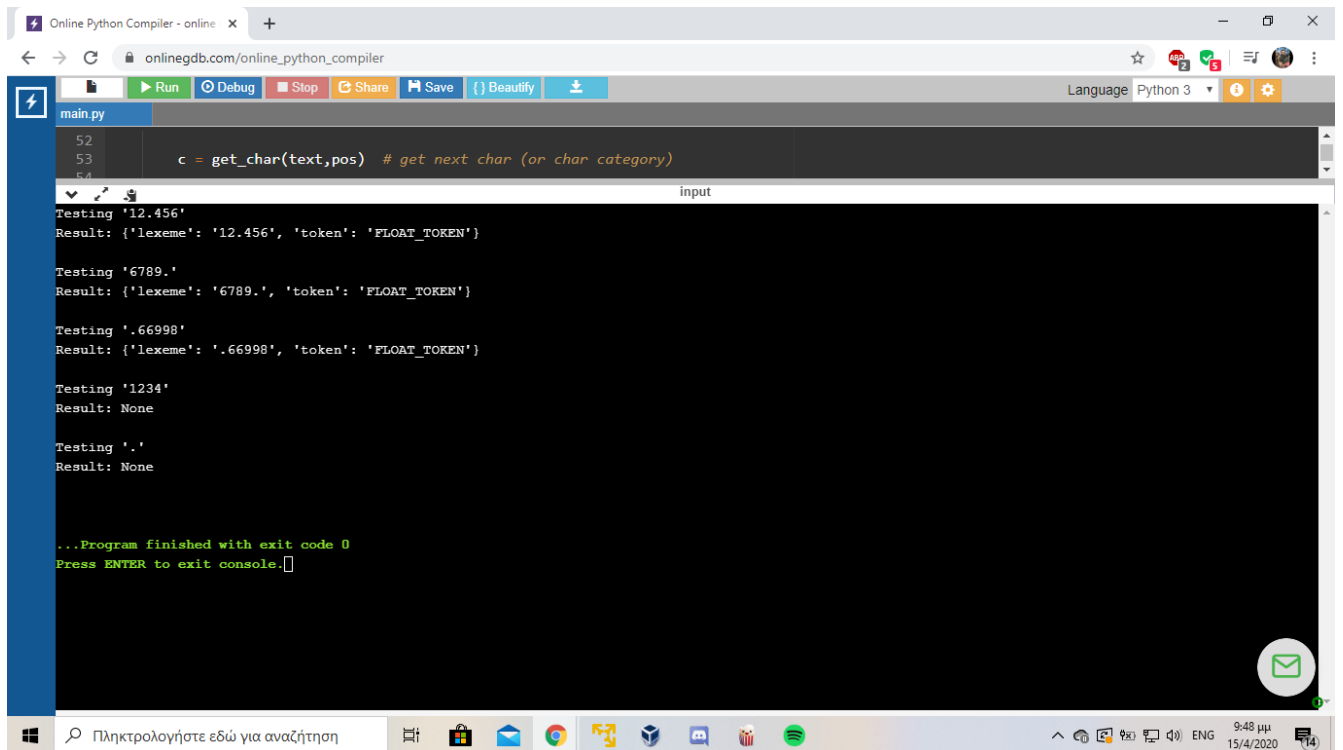
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A.M.: Π2016147

- Σχήμα αυτομάτου πεπερασμένων καταστάσεων στην ζητούμενη προδιαγραφή.



- Αποτελέσματα εξόδου του προγράμματος(printscreen)



The screenshot shows a web browser window with the URL `onlinegdb.com/online_python_compiler`. The browser's address bar and tabs are visible at the top. Below the browser window, there is a toolbar with buttons for `Run`, `Debug`, `Stop`, `Share`, `Save`, and `Beautify`. The main area of the browser displays a Python script in a file named `main.py`. The script contains a function `get_char(text, pos)` which is being tested with various inputs. The output of the tests is displayed in a console window below the code editor. The tests show that the function correctly identifies float tokens for inputs like `'12.456'`, `'6789.'`, and `'.66998'`, and returns `None` for non-token inputs like `'1234'` and `'.'`. The console output ends with `...Program finished with exit code 0` and a prompt to press `ENTER` to exit the console.

```
main.py
52
53 c = get_char(text,pos) # get next char (or char category)
54

Testing '12.456'
Result: {'lexeme': '12.456', 'token': 'FLOAT_TOKEN'}

Testing '6789.'
Result: {'lexeme': '6789.', 'token': 'FLOAT_TOKEN'}

Testing '.66998'
Result: {'lexeme': '.66998', 'token': 'FLOAT_TOKEN'}

Testing '1234'
Result: None

Testing '.'
Result: None

...Program finished with exit code 0
Press ENTER to exit console
```