Write the python program for Map Coloring to implement CSP.

```
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Jef map color(variables, domains, constraints, assignment=()):

if len(assignment) == len(variables):

for var in variables:

if var not in assignment;

for color in domains(var):

if all(assignment.get(neigh) != color for (v1, v2) in constraints assignment(var) = color

result = map.color(variables, domains, constraints, assignifered):

return result

assignment.pop(var)

return result

return result

assignment.pop
```