

```

1 import json
2
3 f = open("code.txt", "r")
4 r = open("result.txt", "w")
5 dictionary = json.load(open("dictionary.json"))
6
7 ToMEM = ""
8 count = 0
9 for line in f:
10     code = line.strip().split()
11     if(line.strip() == ""):
12         continue
13     ToMEM += "//Comment:- " + line.strip() + "\n"
14     for op in code:
15         if(op[0] == ":"):
16             ToMEM += "//" + op[1:] + "\n"
17             continue
18             if(op in dictionary):
19                 op = dictionary[op]
20
21             if(op.strip().isnumeric()):
22                 ToMEM += "MEM[{count}] = 16'd{op};\n".format(count = count, op =
op)
23             else:
24                 ToMEM += "MEM[{count}] = {op};\n".format(count = count, op =
op.upper())
25                 count +=1
26             ToMEM += "\n"
27 print(ToMEM)
28
29 r.write(ToMEM)

```