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IMPLEMENTION OF FORWARD CHAINING

```
python.py - C:/Users/admin/Downloads/python.py (3.10.8)*
File Edit Format Run Options Window Help
knowledge_base = {
    "flu": [["cough", "fever"]],
    "fever": [["sore_throat"]],
facts = {"sore throat", "cough"}
def backward chaining(goal):
   if goal in facts:
       return True
   if goal in knowledge base:
       for conditions in knowledge base[goal]:
           if all(backward_chaining(cond) for cond in conditions):
               return True
   return False
query = "flu"
if backward chaining(query):
  print(f"The patient is diagnosed with {query}.")
else:
   print(f"The patient does NOT have {query}.")
```