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# environment.py
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# Licensing Information: Please do not distribute or publish solutions to this
# project. You are free to use and extend these projects for educational
# purposes. The Pacman AI projects were developed at UC Berkeley, primarily by
# John DeNero (denero@cs.berkeley.edu) and Dan Klein (klein@cs.berkeley.edu).
# For more info, see http://inst.eecs.berkeley.edu/~cs188/sp09/pacman.html
#!/usr/bin/python
class Environment:
  def getCurrentState(self):
   Returns the current state of enviornment
    abstract
  def getPossibleActions(self, state):
     Returns possible actions the agent
     can take in the given state. Can
      return the empty list if we are in
     a terminal state.
   abstract Assignment Project Exam Help
 def doAction(self, action):
     Performs the gifting tion power of environment state and updates the environment.
     Returns a (reward, nextState) pair
                  Add WeChat powcoder
   abstract
  def reset(self):
     Resets the current state to the start state
   abstract
 def isTerminal(self):
     Has the enviornment entered a terminal
      state? This means there are no successors
   state = self.getCurrentState()
   actions = self.getPossibleActions(state)
   return len(actions) == 0
```