Department of Computer Science Course: Artificial Intelligence Quiz-01

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Write a program for Multi-Agent Environment. You can modify the program written for the Vacuum Cleaner (Program file is available in the Moodle).

```
def score(self):
```

```
def reflex vacuum agent(vacuum, location: str, status: str) -> object:
def reflex_multi_vacuum_agent(rooms, *vacuums):
def main():
```

Everything works randomly!

RESULT:

```
D:\Programming\UCA\venv\Scripts\python.exe D:\Programming\UCA\main.py
Randomly generated rooms=[Location(A, Dirty), Location(B, Dirty), Location(A, Dirty),
Location(B, Dirty), Location(A, Dirty)]
room=Location(A, Dirty)
vacuum=Vacuum(T900)
T900's logger:
location \tilde{A} is dirty, T900 is going to clean it! location A has been cleaned!
room=Location(B, Dirty)
vacuum=Vacuum(T900)
T900's logger:
location B is dirty, T900 is going to clean it! location B has been cleaned!
room=Location(A, Dirty)
vacuum=Vacuum(T900)
T900's logger:
location A is dirty, T900 is going to clean it!
location A has been cleaned!
room=Location(B, Dirty)
vacuum=Vacuum(T900)
T900's logger:
location B is dirty, T900 is going to clean it!
location B has been cleaned!
room=Location(A, Dirty)
vacuum=Vacuum(Mark-1)
Mark-1's logger:
location A is dirty, Mark-1 is going to clean it!
location A has been cleaned!
Mark-1's score 1!
T900's score 4!
Process finished with exit code 0
```