

## job.py

```
1 class CrewAgent:
2     def __init__(self, name, role, skills):
3         self.name = name
4         self.role = role
5         self.skills = skills
6         self.tasks_assigned = []
7
8     def assign_task(self, task):
9         if self.role in task.required_skills:
10             self.tasks_assigned.append(task)
11             print(f"{self.name} assigned to {task.name}")
12         else:
13             print(f"{self.name} doesn't have the required skills for {task.name}")
14
15 class Task:
16     def __init__(self, name, required_skills):
17         self.name = name
18         self.required_skills = required_skills
19
20 crew1 = CrewAgent("Alice", "Engineer", ["Mechanical", "Electrical"])
21 crew2 = CrewAgent("Bob", "Navigator", ["Navigation", "Communication"])
22
23
24 tasks = [
25     Task("Engine Repair", ["Mechanical", "Electrical"]),
26     Task("Navigation Plot", ["Navigation", "Communication"])
27 ]
28
29
30 for task in tasks:
31     crew1.assign_task(task)
32     crew2.assign_task(task)
33
```