

```
from swarms import AutoSwarm, AutoSwarmRouter, BaseSwarm
```

```
# Build your own Swarm
```

```
class MySwarm(BaseSwarm):
```

```
    def __init__(self, name="kyegomez/myswarm", *args, **kwargs):
```

```
        super().__init__(*args, **kwargs)
```

```
        self.name = name
```

```
    def run(self, task: str, *args, **kwargs):
```

```
        # Add your multi-agent logic here
```

```
        # agent 1
```

```
        # agent 2
```

```
        # agent 3
```

```
        return "output of the swarm"
```

```
# Add your custom swarm to the AutoSwarmRouter
```

```
router = AutoSwarmRouter(swarms=[MySwarm])
```

```
# Create an AutoSwarm instance
```

```
autoswarm = AutoSwarm(
```

```
    name="kyegomez/myswarm",
```

```
    description="A simple API to build and run swarms",
```

```
    verbose=True,
```

```
router=router,
```

Run the AutoSwarm

```
autoswarm.run("Analyze these financial data and give me a summary")
```