

D:WaiWlangchainWlangchaintest3.py

```
1 import os
2 from langchain.llms import OpenAI
3 from langchain.agents import load_tools, initialize_agent, AgentType
4
5 os.environ["OPENAI_API_KEY"] = "sk-r8zDrchK02d7G5*****FJDebGBiMGwTDKGW4uQdFv"
6 os.environ["HUGGINGFACEHUB_API_TOKEN"] = "hf_mkvaVivwXW*****PHRYhsguBJxJbAC"
7
8 llm = OpenAI(model_name="text-davinci-003")
9
10 tools = load_tools(["wikipedia", "llm-math"], llm=llm)
11 agent = initialize_agent(tools, llm, verbose=True,
12                         agent=AgentType.ZERO_SHOT_REACT_DESCRIPTION)
13
14 agent.run("""What's the top 3 expensive cars worldwide in 2023 and calculate
15           price differences of each car from 2022""")
```