**Practical No: 10**

**Design an Artificial Intelligence application to implement intelligent agents.**

**AIM: Design an Artificial Intelligence application to implement intelligent agents.**

**Code:**

class ClothesAgent:

def \_\_init\_\_(self):

self.weather = None

def get\_weather(self):

# Simulating weather conditions (you can modify this as needed)

self.weather = input("Enter the weather (sunny, rainy, windy, snowy): ").lower()

def suggest\_clothes(self):

if self.weather == "sunny":

print(

"It's sunny outside. You should wear light clothes, sunglasses, and sunscreen."

)

elif self.weather == "rainy":

print(

"It's rainy outside. Don't forget an umbrella, raincoat, and waterproof shoes."

)

elif self.weather == "windy":

print("It's windy outside. Wear layers and a jacket to stay warm.")

elif self.weather == "snowy":

print(

"It's snowy outside. Dress warmly with a heavy coat, gloves, and boots."

)

else:

print(

"Sorry, I don't understand the weather condition. Please enter sunny, rainy, windy, or snowy."

)

def main():

agent = ClothesAgent()

agent.get\_weather()

agent.suggest\_clothes()

if \_\_name\_\_ == "\_\_main\_\_":

main()

**Final Output:**

A screenshot of a computer

Description automatically generated

A screenshot of a phone

Description automatically generated