# Define a dictionary with interests and corresponding courses

courses= {

"data science": ["Data Science 101", "Introduction to Machine Learning", "Data Visualization with Python"],

"web development": ["HTML and CSS Basics", "JavaScript for Beginners", "Building Websites with Flask"],

"cybersecurity": ["Introduction to Cybersecurity", "Network Security Fundamentals", "Ethical Hacking"],

"artificial intelligence": ["AI for Everyone", "Deep Learning Basics", "AI Ethics and Society"],

"business": ["Business Management 101", "Marketing Strategies", "Financial Accounting"],

}

# Function to get user input

def get\_user\_interests():

interests = []

print("Please enter your interests one by one. Type 'done' when you are finished:")

while True:

interest = input(" ")

if interest == 'done':

break

interests.append(interest)

return interests

# Function to recommend courses based on user interests

def recommend\_courses(interests):

recommended\_courses = []

for interest in interests:

if interest in courses:

recommended\_courses.extend(courses[interest])

return recommended\_courses

# Function to display recommended courses

def display\_recommendations(recommended\_courses):

if recommended\_courses:

print("\nBased on your interests, we recommend the following courses:")

for course in recommended\_courses:

print(f"- {course}")

else:

print("Sorry, we couldn't find any courses matching your interests.")

# Call the functions in sequence

user\_interests = get\_user\_interests()

recommended\_courses = recommend\_courses(user\_interests)

display\_recommendations(recommended\_courses)