Post Mortem Review Question	Response
What was the purpose of your program?	Tell the user a recommended outfit based on where they want to travel and what time they want to travel.
How could your program be useful in the real world?	Clothing stores could adopt a system like this to make more sales, by telling the user what they should wear while in that season/destination.
What is a problem you ran into, and how did you fix it?	I didn't run into any issues while writing this program.
Describe one thing you would do differently the next time you write a program.	Use more algorithms to figure out what the user needs. And to make the execution of the project faster.
How could your program be generalized and useful in other areas?	It's a way to tell users what outfits to get in certain situations. And can be used to make selling products more efficient.

Psudocode

START

- Import the builtins module
- Initialize hasRan to tell the function to stop running
- Initialize the outfits list
- Print "Welcome to the Vacation Attire Selector!"
- Print "We will help you choose the perfect outfit for your vacation."
- Print "Please answer the following questions to get your recommendation.
- Try:
    - Ask the user for their name
    - Ask user for their vacation destination
    - Ask user for their favorite color
    - Ask user for the season of their vacation
        - Options: Spring, Summer, Fall, Winter
- Except if there's an error print "Invalid Input. Please Try Again"
- Print "Thank you for providing the information. Based on your inputs, we will recommend an outfit."
- For all of the options in the outfits list
    - If season name == season
        - For option in options
            - If name == other
                - Store it in variable named other
            - If name == destination.lower
                - Print "\nRecommended Option: " + option.get("recommendation")
                - Set hasRan to True
                - Return
        - If other does not equal “”
            - Print "\nRecommended Option: " + other
        - Elif other == “”
            - Print "Sorry we cannot recommend an option for you at this time :("
        - Else
            - Print "An Error has occurred"
- Print "Thank you for using the Vacation Attire Selector. Have a great trip!"

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END

Code

```
# Jonathan Meyer
# 8/28/24
import builtins
# tell the while loop that the main function hasnt been ran
hasRan = False
# initialize all of the outfits that may be recommended to the user
outfits = [
    {
        "season": "spring",
        "options": [
            {
                "name": "beach",
                "recommendation": "Light jacket, T-shirt, shorts, and
sunglasses.",
            },
            {
                "name": "mountain",
                "recommendation": "Light sweater, hiking pants, and comfortable
shoes.",
            },
            {
                "name": "other",
                "recommendation": "Casual spring attire with a light jacket.",
            },
        ],
    },
    {
        "season": "summer",
        "options": [
            {
                "name": "beach",
                "recommendation": "Recommended Outfit: Swimsuit, beachwear, and a
hat.",
            },
            {
                "name": "mountain",
                "recommendation": "Recommended Outfit: Lightweight and breathable
clothing, hiking boots.",
            },
            {
                "name": "other",
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```
                "recommendation": "Light and cool summer clothing suitable for
the weather.",
            },
        ],
    },
    {
        "season": "fall",
        "options": [
            {
                "name": "beach",
                "recommendation": "Long sleeve shirt, light sweater, and jeans.",
            },
            {
                "name": "mountain",
                "recommendation": "Warm layers, insulated jacket, and sturdy
boots.",
            },
            {
                "name": "other",
                "recommendation": "Fall attire, layering options, and comfortable
shoes.",
            },
        ],
    },
    {
        "season": "winter",
        "options": [
            {
                "name": "beach",
                "recommendation": "Light jacket, warm layers for evening, and
comfortable shoes.",
            },
            {
                "name": "mountain",
                "recommendation": "Heavy winter coat, thermal wear, and snow
boots.",
            },
            {
                "name": "other",
                "recommendation": "Warm winter clothing suitable for the
climate.",
            },
        ],
    },
```

```
]
# welcome the user
print("Welcome to the Vacation Attire Selector!")
print("We will help you choose the perfect outfit for your vacation.")
print("Please answer the following questions to get your recommendation.")
# create a function that will quit the program if the user inputs the word `quit`
def input(prompt:object = "")-> str:
    global hasRan
    # use builtin methods instead of recursivly calling this function
    input = builtins.input(prompt)
    if (input.lower()=="quit"):
        hasRan=True
        # tell the user goodbye
        builtins.print("Goodbye :)!")
        quit()

    return input
def main():
    global hasRan
    try:
        name = str(input("What may we call you?: "))
        #ask the user where their destination will be
        destination = input("Where would you like to go?: ")
        if (destination== " " or destination== "" or destination== None):
            # if destination is null print
            print("Invalid Input. Please Try Again")
            return
        # ask the user their fav color
        color = input("What is your Favorite Color?: ")
        season = input("What season would you like to travel in?: ")
    except ValueError:
        #tell the user they have an invalid input
        print("Invalid Input. Please Try Again")
        return
    # tell the user to wait for their recommendation
    print("Thank you for providing the information. Based on your inputs, we will
recommend an outfit.")
    for outfit in outfits:
        if (season.lower()==outfit.get("season")):
            global other
            other = ""

            for option in outfit.get("options"):
                # initialize the other outfit
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                if (option.get("name")=="other"):
                    other = option.get("recommendation")
                # if the destination matched that of the database then print the
recommendation
                if (option.get("name")==destination.lower()):
                    print("\nRecommended Option: " +
option.get("recommendation"))
                    hasRan=True
                    return
            # if the destination downs exist in the database reccomend the other
option
            if (other != ""):
                print ("\nRecommended Option: " + other)
            elif (other ==""):
                # tell the user their outfit isnt in teh database
                print("Sorry we cannot recommend an option for you at this
time :(")
            else:
                # tell the user an error occurred
                print("An Error has occurred")
            hasRan=True
            return









    return

print("\nType Quit to quit the program at any time!\n")
while not hasRan:
    main()
# tell the user thank you after successfully completing
print("\nThank you for using the Vacation Attire Selector. Have a great trip!")
```