INPUT:

```python
products = ["Shirt", "Pants", "Shoes", "Sunglasses", "Watch"]

colors = ["Red", "Blue", "Green", "Yellow", "Black", "White"]

sizes = ["Small", "Medium", "Large", "X-Large"]

class Product:

    def __init__(self, name, color, size):

        self.name = name

        self.color = color

        self.size = size

    def __eq__(self, other):

        return self.name.lower() == other.name.lower() and self.color.lower() ==
other.color.lower() and self.size.lower() == other.size.lower()

inventory = [

    Product("Shirt", "Blue", "Large"),

    Product("Pants", "Black", "Medium"),

    Product("Shoes", "Red", "X-Large"),

    Product("Sunglasses", "Green", "Small"),

    Product("Watch", "Yellow", "Large"),]

print("Welcome to our Clothes store! How can I help you?")

user_input = input()

while user_input.lower() != "exit":

    if user_input.lower() == "hello":

        print("Let me ask you a few questions to help narrow down our recommendations.")

        print("What type of product are you looking for? We have the following options:")

        for product in products:

            print("- " + product)

        customer_product = input()

        print("What color do you prefer? We have the following options:")

        for color in colors:

            print("- " + color)

        customer_color = input()
```

```python
        print("What size do you need? We have the following options:")
        for size in sizes:
            print("- " + size)
        customer_size = input()
        customer_preference = Product(
            customer_product, customer_color, customer_size)
        print("Here are our recommendations based on your preferences:")
        product_found = False
        for product in inventory:
            if product == customer_preference:
                print("- " + product.color + " " +
                    product.size + " " + product.name)
                product_found = True
        if not product_found:
            print("Sorry, we don't have that product.")
    else:
        print("I'm sorry, I didn't understand your inquiry. Please try again.")
    user_input = input()
print("Thank you for shopping with us! Goodbye.")
```

OUTPUT:

Welcome to our Clothes store! How can I help you?

hello

Let me ask you a few questions to help narrow down our recommendations.

What type of product are you looking for? We have the following options:

- Shirt

- Pants

- Shoes

- Sunglasses

- Watch

Shirt

What color do you prefer? We have the following options:

- Red

- Blue

- Green

- Yellow

- Black

- White

Blue

What size do you need? We have the following options:

- Small

- Medium

- Large

- X-Large

Large

Here are our recommendations based on your preferences:

- Blue Large Shirt

Thank you