**Exercise :** Create a program that uses all the above concepts.

1. Create a list of shopping items.
2. Print the first and last shopping item in the list.
3. Ask the user to add a new item to the list.
4. Remove a specific item from the list.
5. Print the updated list of shopping items.

# Initial list of items

shoppingItems = ["Apple", "Banana", "Cherry"]

# Print the first and last item

print("First item:", shoppingItems[0])

print("Last item:", shoppingItems[-1])

# Ask the user to add a new item

new\_item = input("Enter a new favorite item to add: ")

shoppingItems.append(new\_item)

# Remove a specific item

item\_to\_remove = input("Enter a item to remove from the list: ")

if item\_to\_remove in shoppingItems:

shoppingItems.remove(item\_to\_remove)

else:

print(item\_to\_remove, "is not in the list.")

# Print the updated list of favorite items

print("Updated list of favorite items:", shoppingItems)

**Introduction to Conditionals: if, elif, else**

**Exercise :** Write a program that asks the user for their age and prints whether they are a child, a teenager, or an adult.

age = int(input("Enter your age: "))

if age < 13:

print("You are a child.")

elif age < 20:

print("You are a teenager.")

else:

print("You are an adult.")

**Nested Conditionals**

**Exercise 3:** Write a program that asks the user for their score on a test & prints their grade (A, B, C, D, or F) based on the following criteria:

* A: 90-100
* B: 80-89
* C: 70-79
* D: 60-69
* F: below 60

score = int(input("Enter your test score: "))

if score >= 90:

print("You got an A.")

elif score >= 80:

print("You got a B.")

elif score >= 70:

print("You got a C.")

elif score >= 60:

print("You got a D.")

else:

print("You got an F.")