Nested if and elif

- elif is also a keyword in python like if.
- An if inside another if or another else statement is called nested if.
- Instead of using nested if python provides elif because using if will make the code more deeper and take much lines of code when compare to elif.

Q) Write a program taking input from user and check which one is elder among them ?

Taking input from users and typecasting it into float value , setting if and else condition for comparison , then again applying NESTED if and else for further comparisons and printing the results based on the input given by the user.

- Nested if else without elif.

main.py

```
john = float(input("enter john's age : "))
smith = float(input("enter smith's age: "))
ajay = float(input("enter ajay's age: "))# Taking input from users and type casting it into float value.

if john > smith and john > ajay:  # setting if statement to compare ages
    print("johns is elder")

else:                         # setting else for when if is not true
    if smith > ajay:          # Nested if for more comparing statement
      print("smith is elder")
    else:
      print("ajay is elder")

```

- Nested if else with elif.

replacing else and if with elif hence making the code more readable and understandable.

main.py

```
john = float(input("enter john's age : "))
smith = float(input("enter smith's age: "))
ajay = float(input("enter ajay's age: "))# Taking input from users and type casting it into float value.

if john > smith and john > ajay:  # setting if statement to compare ages
    print("johns is elder")

elif smith > ajay:                # replacing else and if with elif
    print("smith is elder")
else:
    print("ajay is elder")

```