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conditional is used to achieve the goals of the algorithm. There is a conditional statement inside of another conditional statement. The outer conditional handles the case when the `username` is approved and the case when `username` is not approved. The inner conditional, which is placed inside the first `if` statement, handles the case when the `username` is approved and the `device_id` is correct, as well as the case when the `username` is approved and the `device_id` is incorrect.

To complete this task, you must define a function named `login` that takes in two parameters, `username` and `device_id` . Afterwards, call the function and pass in different username and device ID combinations to experiment and observe the function's behavior. Be sure to replace the `### YOUR CODE HERE ###` with your own code before you run the following cell.

In [8]:
```
# Assign `approved_users` to a list of approved usernames

approved_users = ["elarson", "bmoreno", "sgilmore", "eraab", "gesparza"]

# Assign `approved_devices` to a list of device IDs that correspond to the u
sernames in `approved_users`

approved_devices = ["8rp2k75", "hl0s5o1", "4n482ts", "a307vir", "3rcv4w6"]

# Define a function named `login` that takes in two parameters, `username` a
nd `device_id`

def login(username, device_id):

    # If `username` belongs to `approved_users`,

    if username in approved_users:

        # then display "The user ______ is approved to access the system.",

        print("The user", username, "is approved to access the system.")

        # assign `ind` to the index of `username` in `approved_users`,

        ind = approved_users.index(username)

        # and execute the following conditional
        # If `device_id` matches the element at the index `ind` in `approved
_devices`,

        if device_id == approved_devices[ind]:

          # then display "______ is the assigned device for ______"

          print(device_id, "is the assigned device for", username)

        # Otherwise,

        else:

          # display "______ is not their assigned device"
```