1. The format of script.txt which is used in auto mode is as follows:

```
CMD1
CMD2
CMD3
...
```

Note: One command in a single line.

2. If commands are required to be repeated multiple times , you can use LOOP:

```
loop=10
loop_start
        CMD1
        Sleep 1000
        ......
loop_end
```

(1) The red key words are necessary for a loop. All of them are lowercase and used as they are.

(2) The number after "loop=" means loop times. There should be a "=" between "loop" and number, and no blank space exists.

(3) Both loop_start and loop_end are necessary as well.

(4) You can use "sleep" to delay some time between commands. "sleep 1000"means delay 1000ms. There should be a blank space between "sleep" and sleep time.

(5) You can use TAB to indent a line. Be cautious! Only TAB can be used, WHITE SPACE is not allowed.

Nested loop is supported. For example:

```
loop=2
loop_start
        CMD1
        sleep 1000
        loop=3
        loop_start
                CMD2
                sleep 2000
        loop_end
loop_end
```

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```
CMD1
sleep 1000
CMD2
sleep 2000
CMD2
sleep 2000
CMD2
sleep 2000
CMD1
sleep 1000
CMD2
sleep 2000
CMD2
sleep 2000
CMD2
sleep 2000
```

The left scripts equal to the right commands. Both of them can be executed in Auto mode.

3. If you want to match certain pattern, like pass_pattern or fail_pattern, to control script execution, the format is as follows

```
loop=10
loop_start
    timeout=10000
    pass_pattern=pass
    fail_pattern=fail
    CMD
    if fail/pass/timeout
        break
    fi
    ……
loop_end
```

Description：You can use the red key words to match pattern, and do some operations based on the matching result.

(1) The "timeout" "pass_pattern" "fail_pattern" are not necessary. You can set them according to your needs.

(2) The number after "timeout=" means the time frame you want to match pattern. There should be a "=" between "timeout" and number, and no blank space exists. You can set its value according to your needs, it has no limit and is in milliseconds unit. Its default value is 5000.

(3) The string after "pass_pattern=" means the pass_pattern, There should be a "=" between "pass_pattern" and string, and no blank space exists. If you don't need pass _pattern, you can delete this line.

(4) The string after "fail_pattern=" means the fail_pattern, There should be a "=" between "fail_pattern" and string, and no blank space exists. If you don't need pass_pattern, you can delete this line.

Tips：(1) If you set pass_pattern or fail_pattern , it only valid for the next command, and the timeout for match is using the nearest timeout up to the command line. So if you want to catch some pattern when command execution, please add pattern on the line above it.

(2) If your command (CMD1) need long time to run, and in the meantime you want to execute other command(CMD2/CMD3),then you want to catch pattern in the CMD1's log and you do not want to execute CMD1 again. Because pattern only valid for the next command, so you need a symbol command to start match (" ?" in the example, you can use any other command that doesn't effect your match).And you should set a suitable time as timeout for CMD1 run, it will use log generate by CMD1 in timeout to match pattern.

```
loop=10
loop_start
    CMD1
    CMD2
    CMD3
    timeout=60000
    pass_pattern=pass
    ?
    if pass
        break
    fi
    ……
loop_end
```

When CMD is executed, there will be three results: pass/fail/timeout, and you can do some operations based on the three results.

(1) pass: when the pass_pattern is matched, it will output "pass" and pass time in autolog. When pass, you have two options:
   1) continue with the script : you do not need to add anything to the script
   2) stop the script execution: you need add "if..fi" to the script, the format is as follows

```
if pass
    break
fi
```

(2) fail: when the fail_pattern is matched, it will output "fail" and fail time in autolog. When pass, you have two options:
   1) continue with the script : you do not need to add anything to the script
   2) stop the script execution: you need add "if..fi" to the script, the format is as follows

```
if fail
    break
fi
```

(3) timeout: no pass_pattern/fail_pattern matched within the timeout time. it will output "timeout" and timeout time in autolog. When timeout , you have two options:
   1) continue with the script : you do not need to add anything to the script
   2) stop the script execution: you need add "if..fi" to the script, the format is as follows

```
if timeout
    break
fi
```

Be cautious: you can use TAB to indent a line. Only TAB can be used, WHITE SPACE is not allowed.