1. What is the benefit of automation test and why? Please provide some of your examples to prove that

[Ans]: Save human resources: we don’t need to hire many people, just need 1 automation tester to write script and run automatically instead of many people do manual.

Reuse: we can script one time and re-use it for every new version to do regression test or smoke test.

Example: we already build script to order a product in version 1. When application is updated to version 2 without changing any function of order a product. We can re-use the script of version 1 to run and check on version 2 ….

Simultaneity: we can test more devices simultaneously resulting in comparative detailed reports generated in less time with the exact the same parameters, because the exact same scripts were run.

Continuity: automated testing helps testers, such as automation engineers. They can see exactly what other engineers have done, what scripts he has already written and what tests have already been performed and what bugs were already found and fixed, through clear reports.

Running tests 24/7: No matter where you are in the world. You can start the tests when you leave the office and when you get back in the morning you can see the results and keep on working. You can even do that remotely if you don’t have a lot of devices or you don’t have the possibility to buy them.

2. What makes a good automation test tool, and what is a bad one? Why?

[Ans]: For me, a good automation test tool is the one which support you almost everything.

Let say more detail which help you almost everything.

You can use script without any knowledge about code. That’s so strange but it is true. Take a look about the robot framework, you don’t need to know the code, how to use the API code, just use the key words which describe exactly what you want to do.

1 of important automation test is data driven testing. It means you have to test same case with different data. For a good automation tools it will support this kind of test by simple input different data in tool GUI like robot framework, the reading data will be handled by the framework, so you don’t to care about how to read the data. But other tools, you have to write code to retrieve the data. It will be completed case.

A good automation tool is the tool support you almost kind of testing: mobile testing, web testing. There are some tools only support only 1 kind of testing, so if you need to test other kind you have to learn new tool, it will take times. While you can know only 1 tools but test many kind of testing.

1 important feature of good automation is support for debug log. Some time, you want to know which step is run and what is the value of data of that step. I mean debug mode. So some tool does not support this. But for robot framework, it support about this feature, you can check the log of the tool and know everything, every step, every data. It is very useful when your script run with error.

A good automation tool is the tool support for many different programming languages. So no need to learn new programming language, just use the current language you know to write script. There are some tool only support on specific language, it means if you want to use that tool you have to learn new language also.

A good automation tool is the tool provide the clear report. Some tools they don’t support the report at the end of script. Then a good tool is the tool also support report then you don’t need to write report manually.