RCP Testing Tool is a project for GUI testing automation of Eclipse-based applications. RCPTT is fully aware about Eclipse Platform's internals, hiding this complexity from end users and allowing QA engineers to create highly reliable UI tests at great pace. (read more: https://www.eclipse.org/rcptt/)
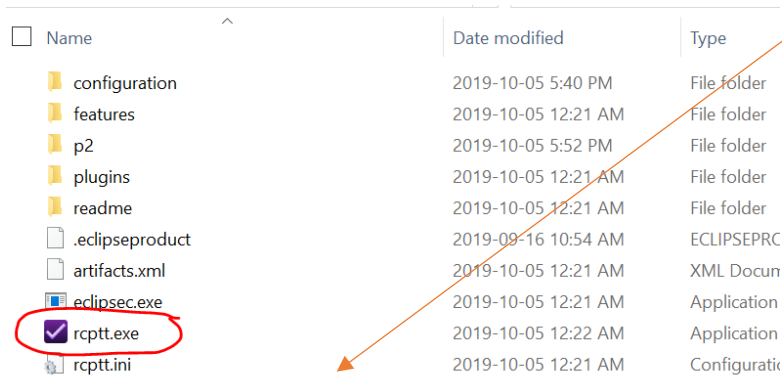
Some of Java assignments have sample data so you can test your program's output. *Your code must be able to run using this data as written*; marks will be removed if it does not. Therefore, I recommend this tool to automate this testing. Enjoy!
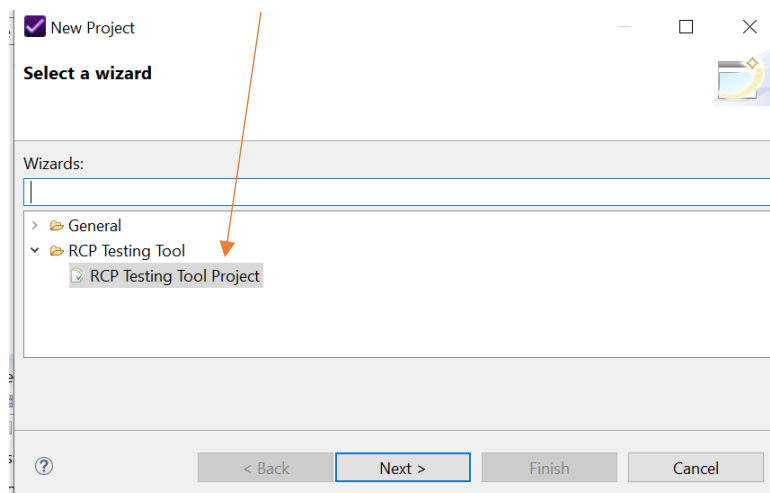
## Links:

1. Download RCP Testing Tool IDE https://www.eclipse.org/rcptt/download/
2. Below you can find instructions how to get the test up and running but also there is a link for a video tutorial if you prefer: https://www.youtube.com/watch?v=prXLW38mk8g
3. User manual is here: https://www.eclipse.org/rcptt/documentation/userguide/getstarted/

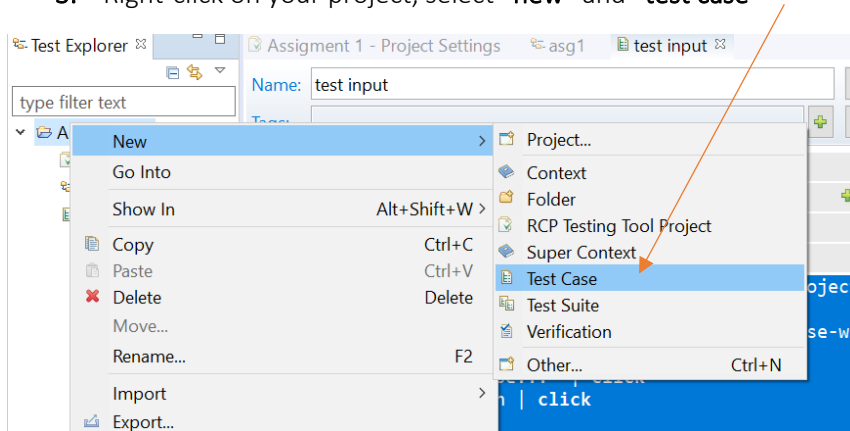## Step-by-step Instructions:

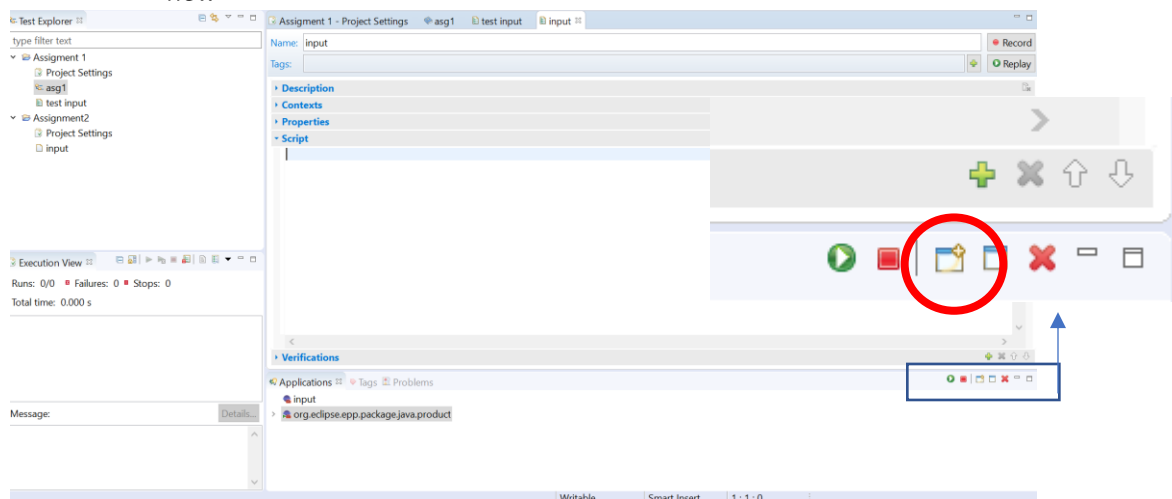1. After downloading RCP Testing Tool IDE **Unzip** and **open** rcptt.exe



2. Right click **in test explorer** (on your right) **or** click **"file"** left top corner and choose "**new project**", next in the New Project window select **RCP Testing Tool Project**

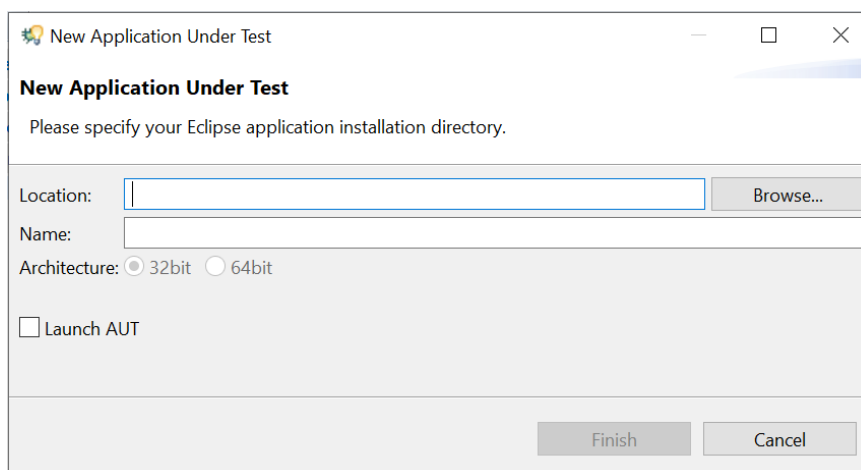3.  Right-click on your project, select **"new"** and **"test case"**
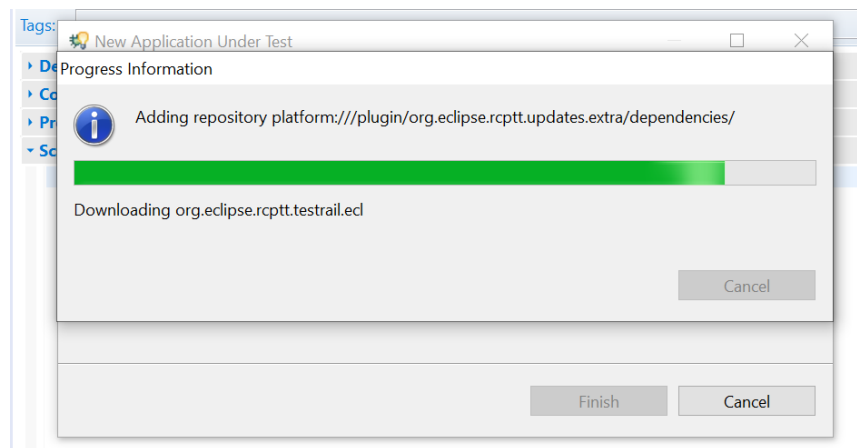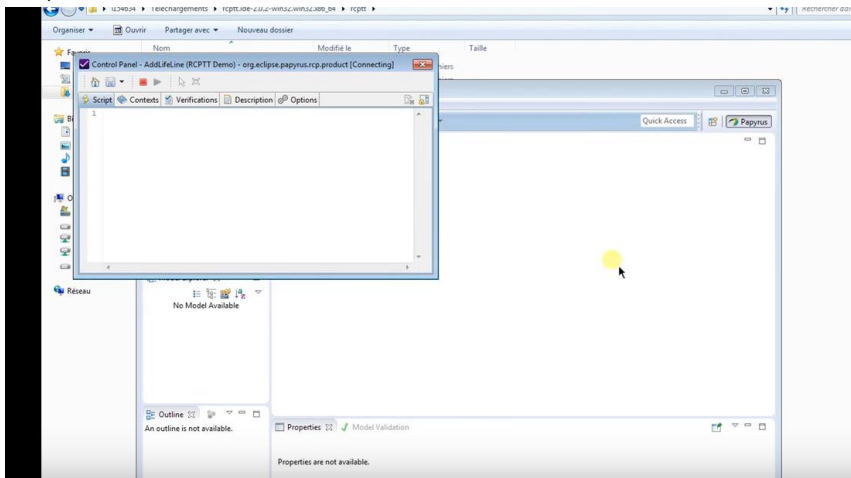


4.  Click on the **"new"** button shown below



5.  **Plug in the application** (folder where the .exe file is) to test using an absolute path like : C:\Users\username\eclipse\java-2019-06\
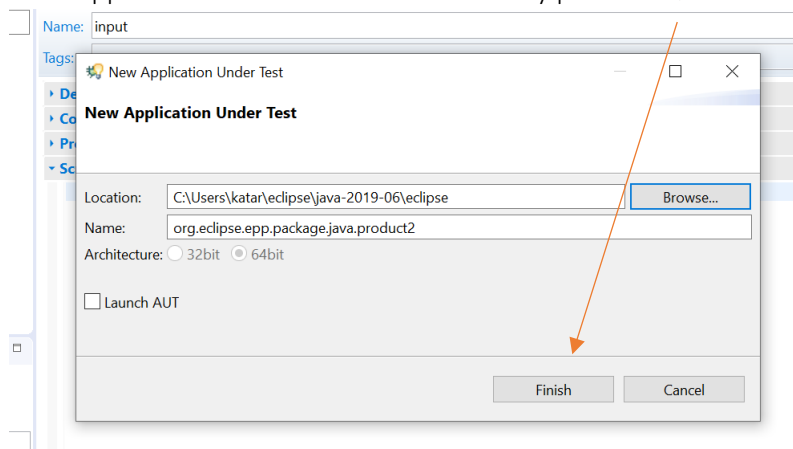
6. As soon as you plug the link you will the process of adding your repository will start. (picture)

7. As soon as you enter eclipse.exe path application may start launching automatically. If you see screen below that means that you are recording your moves that are going to be translated into a script.

**7.1.** If the application did not launch automatically press **"finish"**
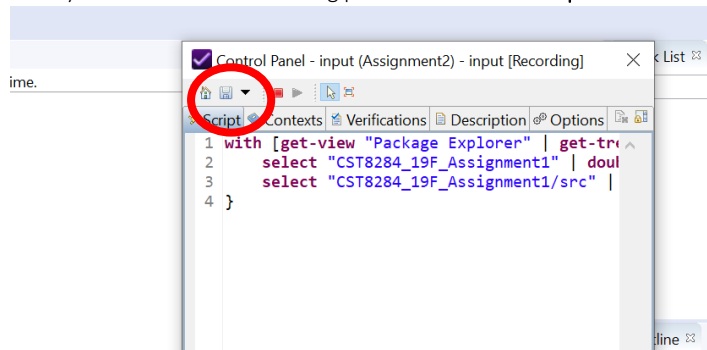
8. Empty Eclipse will open, Go ahead import your project, run your program and start inputting data.

9. Please find below an example of script that I used (assignment 1 level 2 Java). Feel free to edit your script.

```
get-view "Package Explorer" | get-link "Import projects..." | click
get-window Import | get-button "Next >" | click
    set-dialog-result Folder "C:\\Users\\katar\\eclipse-workspace\\CST8284_19F_Assignment1"
    with [get-window Import] {
        get-button "Browse..." | click
    get-button Finish | click
}
with [get-view "Package Explorer" | get-tree] {
    select "CST8284_19F_Assignment1" | double-click
    select "CST8284_19F_Assignment1/src" | double-click
    select "CST8284_19F_Assignment1/src/cst8284.asgt1.scheduler" | double-click
    select "CST8284_19F_Assignment1/src/cst8284.asgt1.scheduler/SchedulerLauncher.java" | double-click
}
get-button Run | click

with [get-view Console | get-text-viewer] {
    set-caret-pos 3 19
    type-text 3
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text 1
    key-type Enter
    type-text "Bob Howe"
    key-type Enter
    type-text "232-232-23232"
    key-type BackSpace
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text 8
    key-type Enter
    type-text "Hyg appoint"
    key-type Enter
    type-text 1
    key-type Enter
    type-text "sandy alloy"
    key-type Enter
    type-text "989-989-9876"
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text "13:00"
    key-type Enter
    type-text "root canal"
    key-type Enter
    type-text 1
    key-type Enter
    type-text "alay sandhu"
    key-type Enter
    type-text "898-989-9876"
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text "1:00 p.m."
    key-type Enter
    type-text cavity
```

```
    key-type Enter
    type-text 1
    key-type Enter
    type-text "ajay sandhu"
    key-type Enter
    type-text "613-098-8788"
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text "3 p.m."
    key-type Enter
    key-type CapsLock
    type-text F
    key-type CapsLock
    type-text illing
    key-type Enter
    type-text 2
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text "10:00"
    key-type Enter
    type-text 2
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text "8 a.m."
    key-type Enter
    type-text 3
    key-type Enter
    type-text 05102019
    key-type Enter
    type-text 9
    key-type Enter
}
```

10. Once you are done with recording press **"save" in control panel**



You may have your eclipse open separately with your project and edit it and save after every test.

**Sometimes if the test is not running try to relaunch the test or application.**