Pop Up:

Pop ups are the small Windows that appears on the screen.

We have different types of popups

1. Alter pop up/JavaScript pop up/confirmation pop up
2. Hidden division pop up/calendar popup
3. File upload pop up
4. File download pop up
5. Child browser pop up
6. Notification pop up

Alter pop up/JavaScript pop up/confirmation pop up :

• 	We cannot inspect and we cannot move this pop up it is developed using JavaScript language not with HTML language so we cannot inspect this pop up.

• 	To handle these pop ups we have to shift our control to the popup, with below statement

driver.switchTo().alert();
Alter al=driver.switchTo().alert();
al.accept(); ----------------> To click on ok
al.dismiss(); ----------------> To click on cancel
al.getText(); ----------------> To fetch text from pop up

Hidden division pop up/calendar popup

- We can not move this pop ups

- We can inspect this pop ups

- We can handle them with the help of findElement().

File Download popup:

- We can inspect this pop up

- We can handle them with the help of findElement()

ChildBrowser Pop up:

- This pop ups are inspectable and movable

- This pop ups can be handled using getWindow Handle() method get windowHandles() method

- getWindowHandle() method

This method returns parent address written type is String

- getWindowHandles() method

This method returns both parent and child window addresses written type is set of string (set<String>)
Handling child window:
Set<String> child = driver.getWindowHandles();
for(String d:child)
{
driver.switchTo().window(d);
}
Handling parent :
String Parent=driver.getWindowHandle();
driver.switchTo().window(parent);
Notification PoP ups

- These are browsers specific popups

- They are not inspectable nor movable

- These pop up can be handled using browsers specific classes as follow

- Chrome-----> ChromeOptions class

- Firefox -------> FirefoxOptions class

- Edge------->EdgeOptions class

ChromeOptions option = **new** ChromeOptions();
option.addArguments("--disable-notifications");
WebDriver driver = **new** ChromeDriver(option);
driver.manage().window().maximize();
driver.get("https://www.quikr.com/");
driver.manage().timeouts().implicitlyWait(10,TimeUnit.*SECONDS*);
FileUpload popup:
We can upload the file in 3 different ways
1. sendKeys()
2. Robot class
3. AutoIT
SendKeys():
If we have input tag and type = file attribute only then we can upload file using sendKeys().

Robot class:
It is used to perform keyboardactions
This is imported from java.awt.package
First create an object for Robot class.
Robot r new Robot();

1. StringSelection str = **new** StringSelection("path of file");

2. Toolkit.*getDefaultToolkit*().getSystemClipboard().setContents(str, **null**);

3. r.keyPress(KeyEvent.*VK_CONTROL*);

r.keyPress(KeyEvent.*VK_V*);
1. r.keyRelease(KeyEvent.*VK_CONTROL*);

r.keyRelease(KeyEvent.*VK_V*);
asdfghjkl
5. r.keyPress(KeyEvent.*VK_ENTER*);
r.keyRelease(KeyEvent.*VK_ENTER*);