Exception In selenium :-

① ElementNotVisibleException :- Element is present in the DOM, it is not visible.
    type = "hidden" = e.g. - Hidden elements defined in HTML.

② ElementNotSelectableException :- Although an element is present in
    the DOM, it may be disabled.

③ InvalidSelectorException :- Selector used to find an element
    does not return a webElement.
    May be xpath is invalid or does not select WE.

④ NoSuchElementException :- WebDriver is unable to identify the
    elements during run time. FindBy mth
    can't find the element.

⑤ NoSuchFrameException :- WebDriver is switching to an invalid
    frame, which is not available.

⑥ NoAlertPresentException :- WebDriver is switching to an invalid
    alert, which is not available.

⑦ NoSuchWindowException :- WebDriver is switching to an invalid
    window, which is not available.

⑧ StaleElementReferenceException :- The referenced element is
no longer present on the Dom page. e.g. The element
belongs to a different frame than the current one or
the user has navigated away to another page.

⑨ SessionNotFoundException :- The webDriver is performing the
action immediately after 'quiting' the browser.

(10) **TimeOutException:-** The command did not complete in enough time. The element did not display within Time.

(11) **WebDriverException:-** The WebDriver is performing the action immediately after 'closing' the browser.

Page Factory :-

→ Page Factory is an extended design pattern of POM, which is used to execute all the @FindBy annotation and initialize the page element.

→ In order to initialize we should call initElements() static method available in pagefactory class.

     e.g.   Login loginPage = PageFactory. initElements(driver, login.class);
              loginPage . loginTOAPP ("admin", "manager");

→ In order to access page class element in Test Script we should use pagefactory design pattern.

Advantages :-
→ Well organised technique
→ Maintance of webElements is easy all the elements distributed on page level.
→ Modification of xpath is easy when ever requirement changes.
→ Duplicate webElement or xpath will be avoided.
→ Reusability