1.py

```
import time
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
from selenium.webdriver.common.by import By

serv_obj=Service("C:\drivers\chrome\chromedriver.exe")
driver = webdriver.Chrome(service=serv_obj)
driver.get("https://bmsitm.gnums.in/Login.aspx")
driver.find_element(By.NAME, "txtUsername").send_keys("..@gmail.com")
driver.find_element(By.ID, "txtPassword").send_keys("12234")
driver.find_element(By.NAME, "btnLogin").click()
act_title = driver.title
exp_title = "BMS Institute of Technology & Management"
if act_title == exp_title:
   print("Test is passed")
else:
   print("Test failed")
print("\n")
time.sleep(3)
```

2.py

```
import time
from selenium import webdriver
from selenium.webdriver.chrome.service import Service
a=Service("C:\Drivers\chromedriver_win32\chromedriver.exe")
driver = webdriver.Chrome(service=a)
driver.get("https://demo.nopcommerce.com/")
driver.maximize_window()
# id and name are the two locators
 driver.find_element(By.ID ,"small-searchterms").send_keys("Dell laptop")
 driver.find_element(By.NAME, "q").send_keys("Dell")
# Link test and partial link test
 driver.find_element(By.LINK_TEXT, "Register").click()
 driver.find_element(By.LINK_TEXT ,"Log in").click()
# partial link text
 driver.find_element(By.PARTIAL_LINK_TEXT ,"Reg").click()
 driver.find_element(By.PARTIAL_LINK_TEXT ,"Log").click()
 driver.get("https://www.amazon.in/")
 driver.maximize_window()
s = driver.find_elements(By.CLASS_NAME ,"a-carousel-card")
print("The number of sliders",len(s))
# links = driver.find_elements(By.TAG_NAME,"a")
 print("The number of Links",len(links))
 driver.get("https://www.facebook.com/")
 driver.maximize_window()
# 1.tag and id

 driver.find_element(By.CSS_SELECTOR,"input#email").send_keys("xyz@gamil.com")
 driver.find_element(By.CSS_SELECTOR,"#email").send_keys("xyz@gamil.com") #without tagname
# 2. tag and class
 driver.find_element(By.CSS_SELECTOR,"input.inputtext").send_keys("xyz@gamil.com")
 driver.find_element(By.CSS_SELECTOR,".inputtext").send_keys("xyz@gamil.com")
# 3. tag and attribute
 driver.find_element(By.CSS_SELECTOR,"input[data-
          testid=royal_email]").send_keys("xyz@gamil.com")
 driver.find_element(By.CSS_SELECTOR,"[data-testid=royal_email]").send_keys("xyz@gamil.com")

# 4.tag class and atribute
 driver.find_element(By.CSS_SELECTOR,"input.inputtext[data-testid=royal_pass]").send_keys("abc")
 driver.find_element(By.CSS_SELECTOR,".inputtext[data-testid=royal_pass]").send_keys("abc")
time.sleep(5)
```

3.py

```
 driver.get("https://www.amazon.in/")
 driver.maximize_window()
# Absolute path
driver.find_element(By.XPATH,"/html/body/div[1]/header/div/div[1]/div[2]/div/form/div[2]/div[1]/
        input").send_keys("Mobiles")
driver.find_element(By.XPATH,"/html/body/div[1]/header/div/div[1]/div[2]/div/form/div[3]/div/
        span/input").click()
# Relative Xpath
 driver.find_element(By.XPATH,"//*[@id='twotabsearchtextbox']").send_keys("Mobiles")
 driver.find_element(By.XPATH,"//*[@id='nav-search-submit-button']").click()
# options - or & and
 driver.find_element(By.XPATH,"//input[@id='twotabsearchtextbox' or
        @name='fil-keywords']").send_keys("Mobiles")
 driver.find_element(By.XPATH,"//input[@id='twotabsearchtextbox' and
        @class='nav-input nav-progressive-attribute']").send_keys("Mobiles")
# contains()
driver.find_element(By.XPATH,"//*[contains(@id,'twotab')]").send_keys("tshirt")
# starts-with()
driver.find_element(By.XPATH,"//*[starts-with(@id,'twotab')]").send_keys("tshirt")
# text()
 driver.find_element(By.XPATH,"//*[text()='Amazon miniTV']").click()
driver.get("https://money.rediff.com/gainers/bse/daily/groupa")
driver.maximize_window()
# Self
text_msg=driver.find_element(By.XPATH, "//*[contains(text(),'Zomato')]/self::a").text
print("the self text is",text_msg)
#  parent
text_msg1=driver.find_element(By.XPATH, "//a[contains(text(),'Zomato')]/parent::td").text
print("The parent XPath access text ",text_msg1)
#  ancestor
text_msg3 = driver.find_element(By.XPATH, "//a[contains(text(),'Zomato')]/ancestor::tr").text
print(text_msg3)
# Child
childs = driver.find_elements(By.XPATH, "//a[contains(text(),'Zomato')]/ancestor::tr/child::td")
print("no of child nodes", len(childs))
# Descendent
decen = driver.find_elements(By.XPATH, "//a[contains(text(),'Zomato')]/ancestor::tr/descendant::*")
print("No of decendent", len(decen))
# following
fol = driver.find_elements(By.XPATH, "//a[contains(text(),'Zomato')]/ancestor::tr/following::*")
print("Number of following", len(fol))
# Following siblings
fols = driver.find_elements(By.XPATH,"//a[contains(text(),'Zomato')]/ancestor::tr/following-
sibling::*")
print("Number of following siblings", len(fols))
```

```
# preceding
pre = driver.find_elements(By.XPATH,"//a[contains(text(),'Zomato')]/ancestor::tr/preceding::*")
print("Number of preceding", len(pre))

# preceding siblings
pres = driver.find_elements(By.XPATH,"//a[contains(text(),'Zomato')]/ancestor::tr/preceding-sibling::*")
print("Number of preceding siblings", len(pres))
time.sleep(10)
```

4.py

```
driver.get("https://itera-qa.azurewebsites.net/home/automation")
driver.maximize_window()

# 1. select specific check box
 driver.find_element(By.XPATH,"//input[@id='monday']").click()

# 2. select ALL check box
check=driver.find_elements(By.XPATH,"//input[@type='checkbox' and contains(@id,'day')]")
print("Number of check box are",len(check))
# with using range
 for i in check:
   i.click();
# 3. select Multiple check box of my choice
for i in check:
    weekday = i.get_attribute('id')
    if weekday == 'monday' or weekday == 'sunday':
        i.click()
# 4. select 2 ch checkbox from last
 for i in range (len(check)-2, len(check)):
     check[i].click()
 for i in range (len(check)):
     if i<2:
         check[i].click()
# 5. Un-select all the checkboxes
 for i in check:
     if i.is_selected():
         i.click();
time.sleep(3)
```