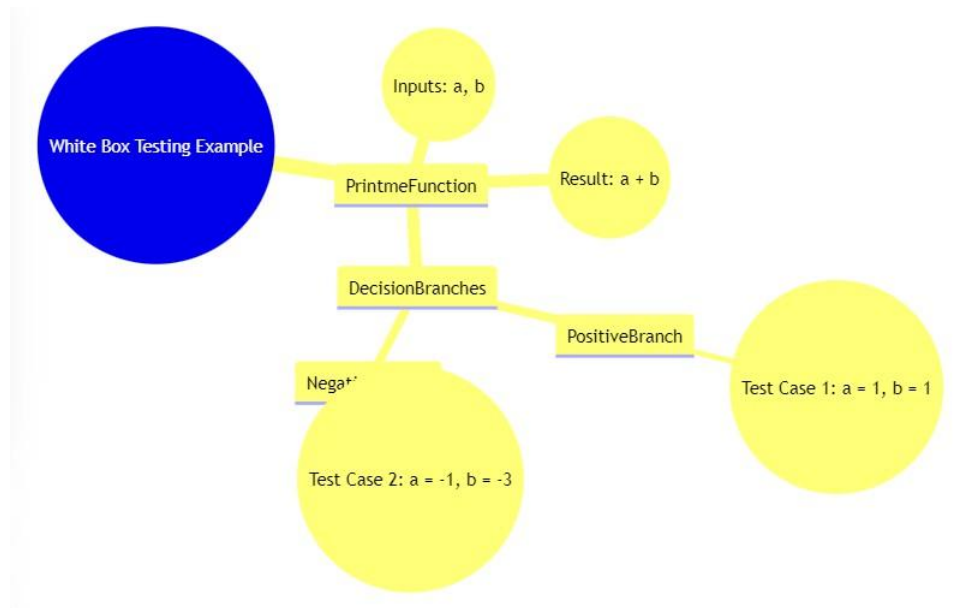


## Practical No. 16

**Aim:** Develop test cases for various white box and black box testing

### White Box Testing:



### Black Box Testing:

A black box testing example for a login functionality of a web application. In this scenario, we will test the login page without having access to the internal code or implementation details.

**Test Case Name:** Verify successful login with valid credentials.

### **Test Steps:**

1. Open the web browser.
2. Enter the URL of the application's login page.
3. Enter a valid username in the username field.
4. Enter a valid password in the password field.
5. Click on the "Login" button.
6. Wait for the application to process the login request.

**Expected Result:** The user should be successfully logged into the application's dashboard/homepage.

**Test Case Status:** PASS (if the user is redirected to the dashboard/homepage)

**Test Case Name:** Verify unsuccessful login with invalid credentials.

### **Test Steps:**

1. Open the web browser.
2. Enter the URL of the application's login page.
3. Enter an invalid username (e.g., "invaliduser") in the username field.
4. Enter an invalid password (e.g., "wrongpassword") in the password field.
5. Click on the "Login" button.

Wait for the application to process the login request.

**Expected Result:** The login attempt should fail, and an appropriate error message (e.g., "Invalid username or password") should be displayed on the login page.

**Test Case Status:** PASS (if the error message is displayed)