

Basic Programming

1. Arithmetic operation is mathematical operator in programming to complete calculation, there are addition (+), subtraction (-), multiplication (*) and division (/).
2. Data type word or String is a variable have information in several characters likes word or sentence.
Data type character is a variable have information in single character.
3. 113
4. 2
5. 3566GoldenStreetMiami

Flaky Test

1. Flaky test is a test that observed to both pass and fail with the same code.
2. For testing Ajax/javascript using Selenium WebDriver with five methods, there are
 - a. Thread.Sleep()
 - b. Implicit Wait()
 - c. Explicit Wait()
 - d. WebdriverWait
 - e. FluentWait
3. To test captcha on website page with two test, there are positive and negative test.
Positive test, input right chrachter → Expected Result is success to enter the application.
Negative test, input with wrong character uppercase and lowercase, in example different between l(l uppercase), l(L lowercase) → sometime user can not differentiate it. wrong number number, with spasi and punctuation (ex: ?; !; @; /; +; ect). Expected result is show notification "captcha code does not machth".

Essay Question Topic

1. A. GET

```
pm.test("userId is a number", function () {
  var jsonData = pm.response.json();
  pm.expect(jsonData[0].userId).to.be.an('number');
});
pm.test("id is a number", function () {
  var jsonData = pm.response.json();
  pm.expect(jsonData[0].id).to.be.an('number');
});
pm.test("title is a string", function () {
  var jsonData = pm.response.json();
  pm.expect(jsonData[0].title).to.be.an('string');
});
pm.test("body is a string", function () {
  var jsonData = pm.response.json();
  pm.expect(jsonData[0].body).to.be.an('string');
});
```

B. POST

```
pm.test("title is equal", function () {
  var jsonResponse = pm.response.json();
  var jsonRequest = JSON.parse(pm.request.body);
  pm.expect(jsonResponse.title).to.eql(jsonRequest.title);
});
pm.test("body is equal", function () {
  var jsonResponse = pm.response.json();
  var jsonRequest = JSON.parse(pm.request.body);
  pm.expect(jsonResponse.body).to.eql(jsonRequest.body);
});
pm.test("userid is equal", function () {
  var jsonResponse = pm.response.json();
  var jsonRequest = JSON.parse(pm.request.body);
  pm.expect(jsonResponse.userid).to.eql(jsonRequest.userid);
});
```

2. A. Register

Test Case	Command	Target	Value	Status
Registration	Open			PASS
	waitForPageToLoad	homepage		PASS
	Click	Xpath=buttonDaftar		PASS
	waitForPageToLoad			PASS
	Type	Id=email		PASS
	Click	Xpath=button		PASS
	waitForPageToLoad			PASS
	Type	Id=nama lengkap		PASS
	Type	Id=noHp		
	Click	CSS=radiobutton		PASS
	Type	Id=username		PASS
	Type	Id=password		PASS
	Type	Id=konfirmasiPassword		PASS
	Click	CSS=checkBox		PASS
	Click	Xpath=button		PASS
	waitForPageToLoad			PASS
	Click	Xpath=buttonKirimKodeLewatSMS		PASS
	waitForSMS			PASS
	Type	Id=kodeOtentikasi		PASS
	Click	Xpath=buttonKonfirmasi		PASS
	Click	Xpath=buttonLanjut		PASS
	waitForPageToLoad			PASS
Registration with Google	Click	Xpath=buttonGoogle		PASS
	waitForPageToLoad	SignInWithGooglePage		PASS
	Click	Xpath=buttonAccount		PASS
	waitForPageToLoad			PASS
Registration with Facebook	Click	Xpath=buttonFB		PASS

	waitForPageToLoad	SignInWithFBPage		PASS
	Click	Xpath=buttonAccount		PASS
	waitForPageToLoad			PASS

B. Login

Test Case	Command	Target	Value	Status
Login	Open			PASS
	waitForPageToLoad	homepage		PASS
	Click	Xpath=buttonLogin		PASS
	waitForPageToLoad	Loginpage		PASS
	Type	Id=email		PASS
	Click	Xpath=button		PASS
	waitForPageToLoad			PASS
	Type	Id=nama lengkap		PASS
	Type	Id=password		PASS
	click	Xpath=buttonLoginProcess		PASS
	waitForPageToLoad			PASS

C. Add To Chart and Search Product

Test Case	Command	Target	Value	Status
Add To Chart	Open			PASS
	waitForPageToLoad	homepage		PASS
	Assert	Search		PASS
	Type			PASS
	waitForSearchResult			PASS
	Click	Xpath=product		PASS
	waitForPageToLoad			PASS
	Click	Id=buttonAddToChart		PASS

3. A. Register

Test Case Positive	Command	Target	Value	Status
Registration	open			PASS
	waitForPageToLoad			PASS
	Click	Xpath=buttonRegist		PASS
	Type	Id=name		PASS
	Type	Id=email		PASS
	Type	Id=password		PASS
	Type	Id=confirmed password		PASS
	Click	Xpath=buttonConfirm		PASS

Test Case Negative	Command	Target	Value	Status	Expected Result
Registration	open			PASS	
	waitForPageToLoad			PASS	
	Click create register button	Xpath=buttonRegist		PASS	

	Type	Id=name		PASS	
	Type	Id=email		PASS	
	Type	Id=password		PASS	
	TypeWithDifferentPassword	Id=confirmed password		PASS	
	Click Register button	Xpath=buttonConfirm		Error	PopUp password was not match

B. Login

Test Case Postive	Command	Target	Value	Status
Login	Open			PASS
	waitForPageToLoad			PASS
	Type	Id=email		PASS
	Type	Id=password		PASS
	click	Xpath=buttonLoginProcess		PASS
	waitForPageToLoad	HomePage		PASS

Test Case Negative	Command	Target	Value	Status	Expected Resul
Login	Open			PASS	
	waitForPageToLoad			PASS	
	Type	Id=email		PASS	
	click	Xpath=buttonLoginProcess		PASS	
	waitForPageToLoad	HomePage		PASS	PopUp password must be filled