

How to use custom functions from JS file in Test Designer

1. We are calling the JS function from the DS script and it returns the values after evaluation

The JS function that we have created is shown below

```
Percentage_Calculator.js x
1 function CalculateDiscount(ActualPrice)
2 {
3   var b = ActualPrice/10;
4   var DiscountPercentage = log(b.toFixed(2));
5   var discountedPrice = ActualPrice - DiscountPercentage;
6   log(discountedPrice);
7   return discountedPrice;
8 }
```

This function will calculate a 10% discount on a Price that is entered. The usage of function in TD script is shown below

FileOptionsEditScriptsCustom_Function_UsageRecordPlayPauseStopStep Over

No	Action	Accessor	Value	Description
1	Include	"(ds)/Percentage_Calculator.js"		
2	Store	CalculateDiscount	CalculateDiscount(30)	Calculate discount using function
3	Log	CalculateDiscount		

LogsDataCheckpointRelational AccessorsLogs

Step 1:*
Include Begins:*
Name of Include Script: Percentage_Calculator.js*
Include Ends:*
Step 2:*
log("3.00")
log("27")
Storing CalculateDiscount(30) in CalculateDiscount
store("CalculateDiscount(30)")
Step 3:*
log("27.0")
Playback Completed Successfully.

2. We can also make use of the Custom JS action in DS and then fetch the value using the locker

File Options

Percentage_Calculator.js

```

1 function CalculateDiscount(ActualPrice)
2 {
3   var b = ActualPrice/10;
4   var DiscountPercentage = log(b.toFixed(2));
5   var discountedPrice = ActualPrice - DiscountPercentage;
6   log(discountedPrice);
7   locker("Price",discountedPrice);
8   return discountedPrice;
9 }

```

File Options Edit Scripts Custom_Function_Usage.

No	Action	Accessor	Value
1	Include	{ds}/Percentage_Calculator.js"	
2	Custom JS	CalculateDiscount(30)	
3	Retrieve From Locker	DiscountPrice	"Price"
4	Log	DiscountPrice	

Logs Data Checkpoint Relational Accessors

```

Include Begins:*
Name of Include Script: Percentage_Calculator.js*
Include Ends:*
Step 2:*
  log("3.00")
  log("27")
  Store In Locker("")
*Evaluating: CalculateDiscount(30)*
  customJS("CalculateDiscount(30)")
Step 3:*
  Retrieve from Locker("")
Step 4:*
  log("27.0")

Playback Completed Successfully.

```

Last updated: June 26, 2023

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Revision #4

Created 2026-07-31 15:40:10 UTC by Admin

Updated 2026-10-14 14:17:31 UTC by AI_Mananger