

## DXP Operations - Salesforce Technical Test


I have imported all the given values of excel sheet into respective objects(Accounts, Opportunity, Product and Price Book) in Salesforce

Accounts:

Accounts				New	Import	Printable View	Assign Label
All Accounts				Search this list...			
17 items • Sorted by Account Name • Filtered by All accounts - Phone • Updated a minute ago							
<input type="checkbox"/>	Account Name ↑	Account Number	Account Owner Alias				
1	<input type="checkbox"/> Cloudy Goat	CLOUDY1	SG				
2	<input type="checkbox"/> Codey Bear	CODEYB1	SG				
3	<input type="checkbox"/> K9	ROBODG1	SG				
4	<input type="checkbox"/> Knights with Tanks	TANKS01	SG				
5	<input type="checkbox"/> Lame Llama	LLAMA01	SG				
6	<input type="checkbox"/> Lume Llama	LLAMA01	SG				
7	<input type="checkbox"/> Lume Llama	LLAMA01	SG				
8	<input type="checkbox"/> Major Consultants	COGCOG1	SG				
9	<input type="checkbox"/> nights with Tanks	TANKS01	SG				
10	<input type="checkbox"/> Raccoon Boy	RACoon1	SG				

To Do List

Opportunity:



Opportunities

All Opportunities

New

Printable View

Assign Labels

35 items • Sorted by Date Time • Filtered by All opportunities - Date Time • Updated a few seconds ago

Q


Search this list...

<div><input type="checkbox"/></div>	Opportunity Name	Account Name	Date Time ↑	Amount	Stage
1	<div><input type="checkbox"/> 12010</div>	Knights with Tanks	21/05/2024, 07:12	£19.99	Prospecting
2	<div><input type="checkbox"/> 12055</div>	Sienna F. Bulldog	22/05/2024, 06:35	£5.23	Prospecting
3	<div><input type="checkbox"/> 12056</div>	Knights with Tanks	22/05/2024, 07:12	£49.72	Prospecting
4	<div><input type="checkbox"/> 12058</div>	The Doctor	22/05/2024, 08:25	£65.99	Prospecting
5	<div><input type="checkbox"/> 12059</div>	Sienna F. Bulldog	22/05/2024, 08:33	£107.25	Prospecting
6	<div><input type="checkbox"/> 12060</div>	Sienna F. Bulldog	22/05/2024, 09:01	£44.00	Prospecting
7	<div><input type="checkbox"/> 12061</div>	Codey Bear	22/05/2024, 09:12	£50.00	Prospecting
8	<div><input type="checkbox"/> 12062</div>	The Dalek Empire	22/05/2024, 09:14	£0.95	Prospecting
9	<div><input type="checkbox"/> 12063</div>	Sienna F. Bulldog	22/05/2024, 09:59	£44.00	Prospecting
10	<div><input type="checkbox"/> 12064</div>	Major Consultants	22/05/2024, 11:21	£213.75	Prospecting

Products

Products						New	Add to Category	Printable View
All Products						Search this list...		
7 items • Sorted by Product Name • Filtered by All products • Updated a few seconds ago								
<input type="checkbox"/>	Product Name ↑	Product Code	Quantity	Unit Of Measure	Created By Alias			
1	<input type="checkbox"/> Cog Image	CG55D			SG			
2	<input type="checkbox"/> Day Ticket to Jisc Land Theme Park	JL01A			SG			
3	<input type="checkbox"/> Dreamcatcher	DC01A			SG			
4	<input type="checkbox"/> Lawn Bowls Jacks	LB12B			SG			
5	<input type="checkbox"/> Lawn Bowls Woods	LB11A			SG			
6	<input type="checkbox"/> Octo Baby To	OB22A			SG			
7	<input type="checkbox"/> Super Whizzy Mega Product	A123A			SG			

## Opportunity Line Item:

 Opportunity  
**12091**

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Prospecting


 Qualification Needs Analy... Value Propo... Id. Decision ... Perception ... Proposal/Pri... Negotiation... Closed [✓ Mark Stage as Complete](#)

Activity

Details

 Chatter


Opportunity Owner

 Sai G

Amount

£51.45

Private



Expected Revenue

£5.15

Opportunity Name

12091

Close Date

23/05/2024

Account Name


Lume Llama


Next Step

Type


Stage

Related

 Products (1)



[Dreamcatcher](#)



Quantity:


5.00

Sales Price:

£10.50

Date:

[View All](#)

 Opportunity Product  
**12091 Dreamcatcher**

[Edit](#)

Product

Quantity

Sales Price

Product Code

[Dreamcatcher](#)

5.00

£10.50

DC01A

Related

Details

Opportunity

Date

[12091](#)

Product

Total Price

[Dreamcatcher](#)

£51.45

Product Code

Discount

DC01A

2.00%

List Price

Opportunity Product Name

£10.50

12091 Dreamcatcher

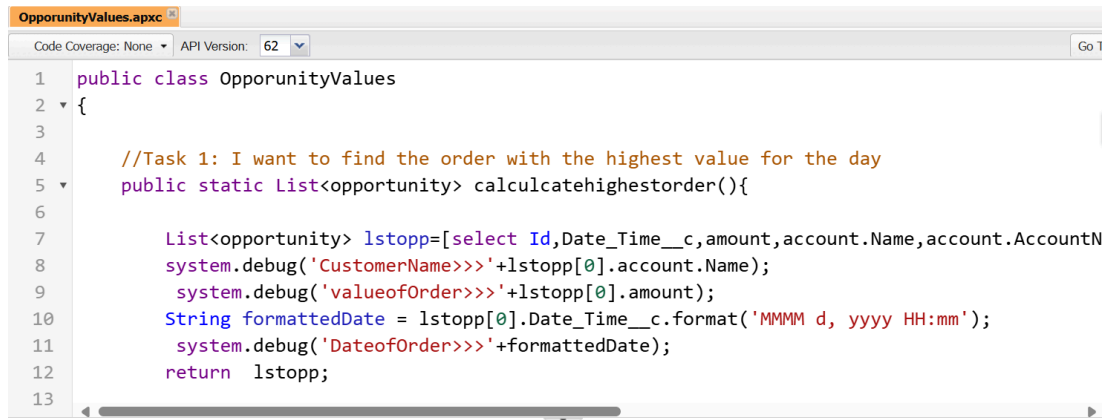
Sales Price

£10.50

Quantity

5.00

Name of Apex Class Created- “OpportunityValues”



```
1 public class OpportunityValues
2 {
3
4     //Task 1: I want to find the order with the highest value for the day
5     public static List<opportunity> calculateHighestOrder(){
6
7         List<opportunity> lstopp=[select Id,Date_Time__c,amount,account.Name,account.AccountN
8         system.debug('CustomerName>>>'+lstopp[0].account.Name);
9         system.debug('valueofOrder>>>'+lstopp[0].amount);
10        String formattedDate = lstopp[0].Date_Time__c.format('MMM d, yyyy HH:mm');
11        system.debug('DateofOrder>>>'+formattedDate);
12        return lstopp;
13    }
```

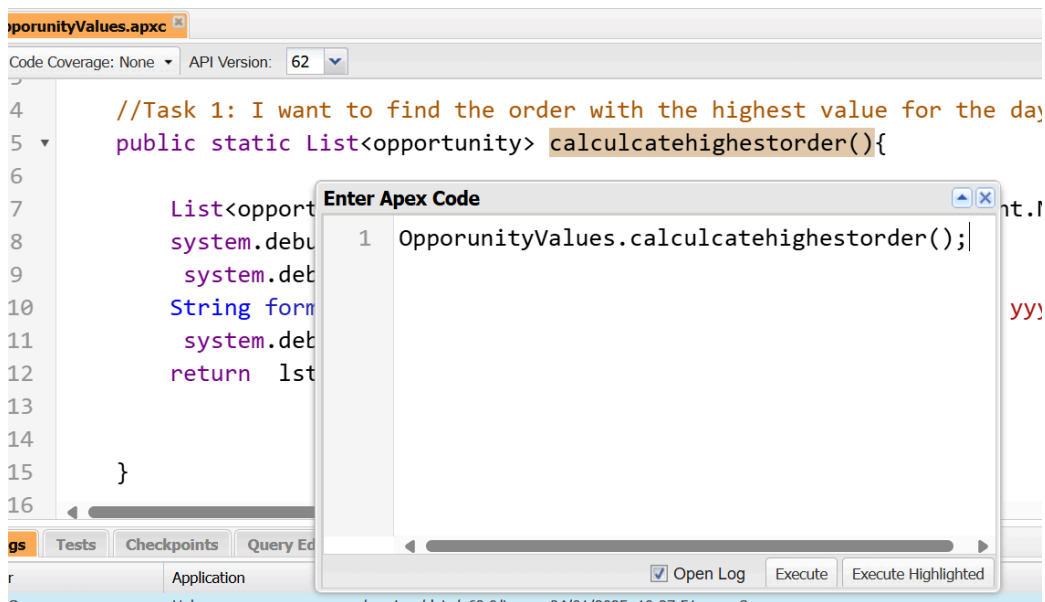
Task 1:

As a sales manager I want to find the order with the highest value for the day. So I can see what the largest order is

Ans)

Step1: Query

Open the execute anonymous window and execute the query as given in screenshot



```
4     //Task 1: I want to find the order with the highest value for the day
5     public static List<opportunity> calculateHighestOrder(){
6
7         List<opportunity> lstopp=[select Id,Date_Time__c,amount,account.Name,account.AccountN
8         system.debug('CustomerName>>>'+lstopp[0].account.Name);
9         system.debug('valueofOrder>>>'+lstopp[0].amount);
10        String formattedDate = lstopp[0].Date_Time__c.format('MMM d, yyyy HH:mm');
11        system.debug('DateofOrder>>>'+formattedDate);
12        return lstopp;
13    }
14
15
16 }
```

Enter Apex Code

```
1 OpportunityValues.calculateHighestOrder();
```

Open Log Execute Execute Highlighted

Debug Result:

File Edit Debug Test Workspace Help < >

OpportunityValues.apxc Log executeAnonymous @24/01/2025, 10:27:51

Execution Log

Timestamp	Event	Details
10:27:51:056	USER_DEBUG	[8] DEBUG CustomerName>>>Major Consultants
10:27:51:057	USER_DEBUG	[9] DEBUG valueofOrder>>>314.9515
10:27:51:057	USER_DEBUG	[11] DEBUG DateofOrder>>>May 22, 2024 18:03

☐ This Frame ☐ Executable ☒ Debug Only ☐ Filter Click here to filter the log

## Task 2:

As a sales manager I want to find the customer who spent the most during the day. So I can see which was the most valuable customer

Ans) Step1: Query

Open the execute anonymous window and execute the query as given in screenshot

File	Edit	Debug	Test	Workspace	Help	<	>
OpportunityValues.apxc							
Code Coverage: None		API Version: 62					

```

22  AggregateResult[] groupedResults = [
23      SELECT
24      FROM op
25      system.debug
26      // Iterate
27      String high
28      Decimal high
29      decimal high
30  for (Aggregate
31      String
32      Decimal
33      Decimal
34      // Comp

```

Enter Apex Code

```

1  Date inputDate = Date.newInstance(2024, 5,22);
2  OpportunityValues.calculcatemostduring(inputDate);

```

<input checked="" type="checkbox"/> Open Log	Execute	Execute Highlighted
--	---------	---------------------

## Debug Result:

Execution Log		
Timestamp	Event	Details
10:42:52:041	USER_DEBUG	[25] DEBUG groupedResults(AggregateResult:{AccountId=001d200000Hf6u6
10:42:52:043	USER_DEBUG	[43] DEBUG Customer: Sienna F. Bulldog, Total Order Value: 532.9553

## Task 4

As a sales manager I want to identify the busiest hour of the day for sales. So I can ensure resources are ready

Ans) Step1: Query

Open the execute anonymous window and execute the query as given in screenshot

```
1 Datetime Startdate=DateTime.newInstance(2024,5,22,6,35,00);
2 Datetime enddate=DateTime.newInstance(2024,5,22,23,59,00);
3 system.debug('sdate'+Startdate);
4 system.debug('edate'+enddate);
5 OpportunityValues.calculatebusinesshours(Startdate,enddate);
```

total mydat  
total

## Debug Results:

Execution Log		
Timestamp	Event	Details
10:46:00:002	USER_DEBUG	[3] DEBUG sdate2024-05-22 05:35:00
10:46:00:002	USER_DEBUG	[4] DEBUG edate2024-05-22 22:59:00
10:46:00:003	USER_DEBUG	[48] DEBUG start2024-05-22 05:35:00
10:46:00:003	USER_DEBUG	[49] DEBUG enddate2024-05-22 22:59:00
10:46:00:033	USER_DEBUG	[61] DEBUG group resut(AggregateResult:{hourOfDay=11, totalQuantity=255.0})
10:46:00:033	USER_DEBUG	[69] DEBUG Hour with the most items ordered: 11:00, Total Quantity: 255.0

## Salesforce Login Details

User name : manoj.gsmr10@gmail.com

Password: Salesforce10@

If the system requires OTP please contact  
me(manoj.gsmr10@gmail.com).