

1. Print the list of all products and their ratings

Data Analytics

Regular Search

<input checked="" type="checkbox"/> Select	Product Name:	All Products ▼
<input type="checkbox"/> Select	Product Price:	<input type="text" value="0"/>
		<input type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than

Analytics Result

1

Name: **MotoG2**

Price: 399

Product Category : SmartPhone  
Retailer: MotoG  
Retailer Zipcode: 60616  
Retailer City: Chicago  
Retailer State: Illinois  
Sale: Yes  
User ID: vedant  
User Age: 23  
User Gender: male  
User Occupation: student  
Manufacturer: Moto  
Manufacturer Rebate: Yes  
Rating: 5  
Date: 10/16/2016  
Review Text: Very Nice Product..!!

2. Print a list of reviews where rating greater than 3

<input type="checkbox"/> Select	User Occupation:	<input type="text"/>
<input checked="" type="checkbox"/> Select	Review Rating:	3 ▼
		<input type="radio"/> Equals <input checked="" type="radio"/> Greater Than

3

---

**Name: Sony001**

---

**Price: 399**

---

**Product Category : Laptop  
Retailer: Sony  
Retailer Zipcode: 60630  
Retailer City: Alaska  
Retailer State: Arizona  
Sale: Yes  
User ID: vedant  
User Age: 23  
User Gender: male  
User Occupation: student  
Manufacturer: Toshiba  
Manufacturer Rebate: Yes  
Rating: 4  
Date: 10/15/2016  
Review Text: Great**

2. Get a list of products that got review rating 5 and price more than \$299

Regular Search

<input checked="" type="checkbox"/> Select	Product Name:	All Products ▾
<input checked="" type="checkbox"/> Select	Product Price:	299
		<input type="radio"/> Equals <input checked="" type="radio"/> Greater Than <input type="radio"/> Less Than

1

Name: **MotoG2**

---

Price: 399

---

Product Category : SmartPhone  
Retailer: MotoG  
Retailer Zipcode: 60616  
Retailer City: Chicago  
Retailer State: Illinois  
Sale: Yes  
User ID: vedant  
User Age: 23  
User Gender: male  
User Occupation: student  
Manufacturer: Moto  
Manufacturer Rebate: Yes  
Rating: 5  
Date: 10/16/2016  
Review Text: Very Nice Product...!!

---

2

Name: **Sony01**

---

Price: 399

---

4. Print a list of how many reviews for every product

Grouping

<input checked="" type="checkbox"/> Group By	Product Name ▾
Return:	All ▾
<b>Perform Data Analysis</b>	

## Criteria: Group By : Products

Product: MotoG2	Reviews Found: 4
Rating: 5 Review: Very Nice Product...!!	
Rating: 2 Review: Goodd one	
Rating: 1 Review: must	
Rating: 2 Review: great one	
Product: Sony01	Reviews Found: 2
Rating: 5 Review: Nice	

5. Get the list of reviews for shoppers in Chicago

<input type="checkbox"/> Select	Retailer Zip code:	0
<input checked="" type="checkbox"/> Select	Retailer City:	chicago

## Analytics Result

1

Name: **Sony01**

---

Price: 399

---

Product Category : Tablet

Retailer: Sony

Retailer Zipcode: 60616

Retailer City: chicago

Retailer State: Illinois

Sale: Yes

User ID: vedant

User Age: 23

User Gender: male

User Occupation: student

Manufacturer: Sony

Manufacturer Rebate: Yes

Rating: 5

Date: 10/15/2016

Review Text: Nice

---

2

Name: **OnePlus3**

---

Price: 299

---

Product Category : SmartPhone

Retailer: OnePlus

Retailer Zipcode: 60610

6. Find highest price product reviewed/sold in every city

---

**Grouping**

☒ Group By City

Return: All

**Perform Data Analysis**

---

Criteria: Group By : City

City: Chicago	Reviews Found: 2
Product: MotoG2 Rating: 5 Review: Very Nice Product..!!	
Product: MotoG2 Rating: 2 Review: Goodd one	
City: chicao	Reviews Found: 3
Product: Sony01 Rating: 5 Review: Nice	

7. Find highest price product reviewed/sold in every zip-code

---

<input checked="" type="checkbox"/> Select	Product Price:	<span>299</span>	<input type="radio"/> Equals <input checked="" type="radio"/> Greater Than <input type="radio"/> Less Than
--	----------------	------------------	--

---

**Grouping**

☒ Group By Retailer Zip

Return: Highest Price Product

**Perform Data Analysis**

---

## Analytics Result

# Criteria: Group By:retailerzip : Products With Highest Price

retailerzip: 60609

Total Reviews Found: 1

Product Name: Sony01  
Price: 399(MAX PRICE)  
Rating: 1  
Review: good

retailerzip: 60607

Total Reviews Found: 1

Product Name: MotoG2  
Price: 399(MAX PRICE)  
Rating: 1  
Review: must

8. Get the top 5 list of liked products for every city

Grouping	
<input checked="" type="checkbox"/> Group By	City
Return:	Top 5 Liked Product
<b>Perform Data Analysis</b>	

## Analytics Result

### Criteria:Group By:City : Top Five Products

City: Chicago	Top 2 Reviews :
Product: MotoG2 Rating: 5 Review: Very Nice Product...!!	
Product: MotoG2 Rating: 2 Review: Goodd one	
City: chicago	Top 3 Reviews :
Product: Sony01 Rating: 5 Review: Nice	

9. Print a list of reviews grouped by City

**Grouping**

<input checked="" type="checkbox"/> Group By	City
Return:	All

**Perform Data Analysis**

City: Alaska	Reviews Found: 2
Product: Sony001 Rating: 4 Review: Great	
Product: SonyHawkEye Rating: 3 Review: bad	
City: Phoenix	Reviews Found: 1
Product: Sony01 Rating: 1 Review: good	



10. Print a list of reviews grouped by RetailerName

<b>Grouping</b>	
<input checked="" type="checkbox"/> Group By	<b>Retailer Name</b> ▼
Return:	<b>All</b> ▼

### Analytics Result

## Criteria: Group By : Retailer Name

Retailer Name: MotoG

Reviews Found: 4

Product: MotoG2  
Rating: 5  
Review: Very Nice Product..!!

Product: MotoG2  
Rating: 2  
Review: Goodd one

Product: MotoG2  
Rating: 1  
Review: must

Product: MotoG2  
Rating: 2  
Review: great one

11. Get the total number of products reviewed and got Rating 5 in Every City

<input type="checkbox"/> Select	User Occupation:	
<input checked="" type="checkbox"/> Select	Review Rating:	<b>5</b> ▼
		<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than
<input type="checkbox"/> Select	Review Text:	
		(PATTERN MATCHING)
Return:	<b>All</b> ▼	
<b>Grouping</b>		
<input checked="" type="checkbox"/> Group By	<b>City</b> ▼	
Return:	<b>All</b> ▼	

## Analytics Result

### Criteria: Group By : City

City: Chicago	Reviews Found: 1
Product: MotoG2 Rating: 5 Review: Very Nice Product...!!	
City: chicago	Reviews Found: 1
Product: Sony01 Rating: 5 Review: Nice	

12. Print the median product prices per city

<b>Grouping</b>	
<input checked="" type="checkbox"/> Group By	City ▼
Return:	Median Price ▼

### Criteria:Group By:City : Median Price

3

City: chicago	Median Price : 399
Product: OnePlus3 Rating: 3 Price: 299	
Product: Sony01 Rating: 5 Price: 399	
Product: MotoG2 Rating: 1 Price: 399	

2

City: CHICAGO	Median Price : 349
Product: Samsung80 Rating: 4 Price: 299	

13. Search reviews text for keywords (pattern-matching) and print the list of reviews that have the matched keywords. For example, print the list of reviews that have “ good” keywords in the review text

<input checked="" type="checkbox"/> Select	Review Text:	good	(PATTERN MATCHING)
--	--------------	------	--------------------

1

Name: **OnePlus3**

Price: 299

Product Category : SmartPhone

Retailer: OnePlus

Retailer Zipcode: 60610

Retailer City: chicago

Retailer State: ILLINOIS

Sale: Yes

User ID: vedant

User Age: 23

User Gender: male

User Occupation: student

Manufacturer: OnePlus

Manufacturer Rebate: Yes

Rating: 3

Date: 10/15/2016

Review Text: good

2

Name: **MotoG2**

Price: 399