	Name : Gavirit joshi Subject : INT 350 Page No > 01			
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	Teacher > Aman Kumas Registration Number > 12106692 SET > 09			
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January Designation of the second	The last I had himition to live			
Quel-1	Suppose you're given the following Table			
	and order into, the stable			
	order show revenue value for unique			
	order along with its associated Channel Conline			
	or in-store') while the table 'order-info'			
	shows the order I) along with its			
	Shows the order I) along with its			
	Table: Orders			
	Table: Order_info			
	Using these Table, write a SQL Query to			
	return the top 3 'online' orders and			
	their essociated location based on revenue generated.			
Solution	SELECT O. order-id, O. revenue, oi location			
	FROM Orders 0 JOIN order_info ON order_id = order_info.			
	order-id			
	WHERE channel = "Online" ORDER BY YEVENUE DESC JIMIT 3;			
•				
Ques-2	Consider the following table, Annual Sale, Shown			
ques-2				
	below: year total-rate			
	1 221 1 12 3000 st is sold E-1941			
	2016 25000			
	2017 34000			
	2618 32000			
	2019 33000			

Use lag() & lead() function to Compare annual Sale amount Across years. Olution > CREATE TABLE annual_sale (year INT, who were the source total sale INT Shows the seder I) along witil INSERT INTO annual-sale (year, total-sale) VALUES Briefe STAN (2015, 23000), (2016, 25000), (2017, 34000), sel betieble (2018, 32000), (2019, 33000); total-sale, LAY (total late) OVER (ORDER BY year) AS prévious-year sale, LEAD (total sale) OVER (ORDER BY year) AS nent-year sale FROM annual - Sale; year will rate Ques-3 What is the difference between stored procedure and UDFx?

	Name - Garvit joshi	Rall Non 21
	Sugect MINT350	
	Jeacher & Jold - Aman Kuma	PAGE NO.
	Registration Number: 1210	Page No -> 03 PAGE NO. DATE 1 1 1 1 1 1 1 1 1
	Stored procedure	User-defined function
	Perform a set of operat	Computer values and
	tion, may or may not	return a ringle value
New York	return a value.	or a table.
	May or may not be	Must return a value. Can
		setum a single value
	return multiple results	
	set.	fracopretation:
	Can be Called Stand-	
	alone or within other	eerithin a set SQL statem-
	SQ1 Statements	ent, primarily (SELT-CT).
	Can include DML	Generally does not
	(Data manipulation	Berform data modification.
	Language) Statement.	
	Can include emplicit	Can't include trama-
	transaction Control	-ction control Statement.
	Statement ("COMMIT",	
	"ROLLBACK", etc.)	
	Can have input,	Accept input parametre
	output, input - output	only . Read only, Can't
	parametre	modify parametre.
"A		
Ques-4	Jake any dataset of your Choice of perform cuthier analysis using bomplot. Write interpre- tation of graph.	
	cuttier analysis usi	ing Complet. Unite interpre-
	- tation of graph.	
) //	
Mutica	Dataset: Scores of	Star clents
TO COCOLON A		

Name + Garvit joshi Koll No > 21 Page No) OM PAGE No. Subject > INT 350 Teacher - Mr. Aman Kumar DATE Registration Number + 12106682 SET - 09 Box plot: import matplotlib pyplot as plt import seaborn as sing scores = [70, 75, 80, 85, 90, 95, 100, 110] sns. boxplot (x = scores) plt. Show () Interpretation: > Rectangular bon represent interquartile range (IRR) which Contain middle 50% of data.

The iohiskers' extending from bon indicate

the range of data within a certain multiple

of IRR.

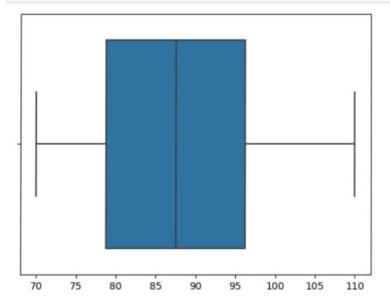
The value '110' is significantly higher than nest of the score.

```
In [1]: import matplotlib.pyplot as plt
import seaborn as sns

# Define the dataset
scores = [70, 75, 80, 85, 90, 95, 100, 110]

# Create the box plot
sns.boxplot(x=scores)

# Show the plot
plt.show()
```



	Page > 05
Ques-5	
	Using any dataget of your choice perform bivariate analysis of interpret each graph-
a)	Line Chart
5)	Bar yoaph
()	Bon plot

Line Chart:

```
In [2]: import matplotlib.pyplot as plt

months = ["Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct", "Nov", "Dec"]
sales = [5000, 6000, 7000, 8000, 9000, 10000, 12000, 13000, 14000, 15000, 16000]

plt.plot(months, sales, marker='o')
plt.xlabel('Month')
plt.ylabel('Sales (in USD)')
plt.title('Monthly Sales Data')
plt.grid(True)
plt.show()
```

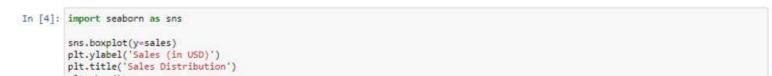


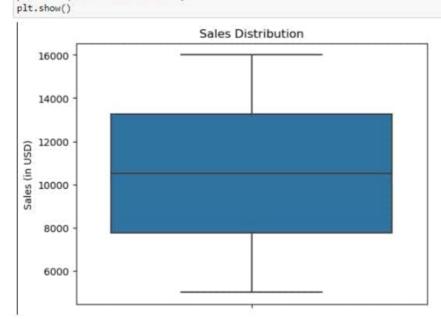
Bar Graph:

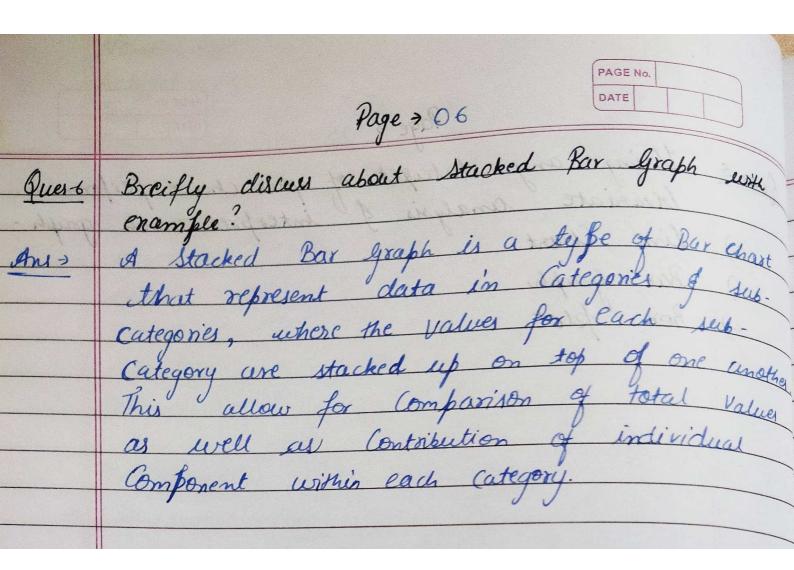
```
In [3]: plt.bar(months, sales, color='blue')
  plt.xlabel('Month')
  plt.ylabel('Sales (in USD)')
  plt.title('Monthly Sales Data')
  plt.xticks(rotation=45)
  plt.show()
```



Box Plot:







Stacked bar graph:

```
In [5]: import matplotlib.pyplot as plt

regions = ['North', 'South', 'West']
electronics_sales = [5000, 7000, 6000]
apparel_sales = [3000, 4000, 3500]

plt.bar(regions, electronics_sales, label='Electronics', color='blue')
plt.bar(regions, apparel_sales, bottom=electronics_sales, label='Apparel', color='orange')

plt.xlabel('Region')
plt.ylabel('Sales (in USD)')
plt.title('Sales Data by Region and Product Category')
plt.legend()
plt.show()
```

