	G	Н						
1)What are charts and Different Types of Charts?								
Ans- Charts are graphical representation of data, making complex information								
more accesible. Various types include								
<b>1.Bar Chart -</b> Display data using rectangular bars.								
5 <b>2. Line Chart -</b> Connects data points with lines useful for showing trends	<b>2. Line Chart -</b> Connects data points with lines useful for showing trends.							
3. Pie Chart - Divides a circle into slices to represent prpotional parts of a								
7 whole.								
8 4 Area Chart - Similar to a line chart but the area below the lines is filled	d.							
9 5 Scatter Plot - Shows individual data points on a two dimensional grap	<b>5 Scatter Plot -</b> Shows individual data points on a two dimensional graph.							
10 6. Histogram - Presents data distribution using bars without gaps betwee	en							
11 them.								
12 7. Bubble Chart - Adds a third dimension with the size of bubble represe	enting							
13 additional data.								
14 8. Gantt Chart - illustrates projects schedules with bars representing tasl	k							
15 over time.								
16 9. Radar Chart - Displays multivarate data in the form of two dimensiona	l chart							
17 with three or more quantitative variables.								
18 <b>10. Heatmap-</b> Visualizes data in a matrix format using colors to represen	t							
19 values.								
20								
21 Z)what are pivot Tables in Excel and their implementations?								
Ans- in excel a pivot tables is a powerful tool for data analysis and								
<u>23</u> summarization. It allows to rearrange nalyze and present data	a quickly							
and easily. Here a basic implementation guide:								
25 <b>1. Prepare your data -</b> Organise your data in columns with headers.								
And ensure there are no blank rows or coloumns within the dataset.								
27 2. Select Your data - Highlight the range of cells you want to include in the	ne							
28 pivot table.								
<b>Jo. Insert Fivet table -</b> Go to insert table" and change the range selected in step 2								
After that Decide whether want the niver table in a new worksheet ar								
After that Decide whether want the pivot table in a new works	After that Decide whether want the pivot table in a new worksheet of							
32 A Design your nivot table - Drag and drop fields into the four areas:								
*Values - Numeric data to be summarized								
* Rows - Categorical data to define the rows								
36 *Columns - Categorical data to define the columns								
* Filters - Onvional to filter data based on specific criteria								
38 5 Customize and Analyze -								
<sup>30</sup> * Customize pivot table by formatting sorting and filtering								
40 * Use the " Value Field Setting" to change the summary func-	tion.							
41 * Experiment with different arrangement to derive insights								
42 6. Refresh Data - Right click on pivot table and choose "Refresh" to upda	ate							
the pivot table								
44 3)What is Conditional Formatting? Distinguish 5 types of Condition:	al							
45 Formatting?								
46 Ans - Conditional formating in excel is a feature that allows to apply forma	46 Ans - Conditional formating in excel is a feature that allows to apply formatting							

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47		rules based	on specific	criteria. This	helps highlight	, organize	, and		
48	analyze data more effectivelly. Here are five types of conditional								
10	formatting:								
43	1 Color Scales- Gradually applies different colors to colls based on their								
50	<b>1. Color Scales-</b> Gradually applies different colors to cells based on their								
51	values, creating a visual representing data distribution.								
52	*Use case - It is use for identifying high and low values or trends in a								
53	range.								
54	<b>2. Icon sets -</b> Assign icons to cells based on predefined rules.								
55		providing a quick visual indication of data, charateristics							
56		Providing a quick visual indication of data chaldensites.							
50	<b>Use case-</b> lucal for showing performance levels of comparing values.								
57	J. Dala Da	115- Auus 1101				i values,			
58	offering aquick way to compare data visually.								
59	*use case- Suitable for visualizing the relative size of values within a								
60		range.							
61	4.Highligh	t cells Rules	s- Applies fo	rmatting to c	ells that meets	specific			
62		conditions.							
63	*use case- Helps emphasize important data points or outliers								
64	5 Formu	ila hased Fo	rmatting	llows you to	create custom t	formatting	n rules		
65		hacad on fo		dofino			y ruico		
60			Offore flox	uenne. ibility for com	nlov conditions	not covo	wood by		
66		use case					fied by		
67		built-in form	atting option	S.					
68									
69	4)How to	Clear Forma	atting in Exc	cel without a	actually remov	ing the C	ell		
70	Content?								
71	1 Ans- To clear formatting in excel without removing the cell content, select the								
72	cells, right-click choose "Format Cells", go to the "Number" tab, and								
73	select "General" under the category								
74									
75	5)Create a Pivot Table and Chart for the Given Table?								
76	1 1								
77		Employee Deta	ails						
78	Last Name	First Name	Status	Salary					
79	Knowles	Aaron	Part Time	\$10,050					
80	Baxter	Brenda	Full Time	\$36,000					
81	Velazquez	Carlos	Part Time	\$9,075					
82	Schultz	Carol	Full Time	\$38,050					
83	Brown	Charles	Full Time	\$39,000					
84	Wood	Daniel	Part Time	\$13,750					
85	Boyle	Debra	Full Time	\$38,050					
86	Coleman	Donald	Full Time	\$37,500					
87	Steele	Donna	Full Time	\$36,750					
88	Wilson	Elizabeth	Part Time	\$12,000					
89	Morin	Frank	Full Time	\$36,500					
90	Brown	Gary	Part Time	\$8,000					
91	Perry	George	Part Time	\$12,050					
92	Chandler	Jason	Full Time	\$29,000					
93	Moore	Jennifer	Full Time	\$41,000					
94	Buckner	Jerry	Full Time	\$37,500					
95	Hensl	Jessica	Full Time	\$52,000					
96	Grimes	Jose	Part Time	\$17,000					

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97	Huber	Joshua	Full Time	\$31,750				
98	Tillman	Kathleen	Part Time	\$9,750				
99	Price	Lisa	Part Time	\$14,000				
100	Vang Williams	Many		\$29,750				
101	Small	Matthew	Full Time	\$45,000				
103	Brown	Robert	Full Time	\$32,000				
104	Munoz	Rut	Part Time	\$11,000				
105								
106		Last Name	(All)					
107								
108		Sum of Sa	Column L	abels				
109		Row Label	Full Time	Part Time	Grand Total			
110		Aaron		10050	10050			
111		Brenda	36000	10000	36000			
112		Carlos	00000	0075	00000			
112		Carol	29050	3075	29050			
113		Charles	20000		20000			
114		Danial	39000	40750	39000			
115		Daniei		13750	13750			
116		Debra	38050		38050			
117		Donald	37500		37500			
118		Donna	36750		36750			
119		Elizabeth		12000	12000			
120		Frank	36500		36500			
121		Gary		8000	8000			
122		George		12050	12050			
123		Jason	29000		29000			
124		Jennifer	41000		41000			
125		Jerry	37500		37500			
120			52000		52000			
120			52000	17000	17000			
127		JUSE	21750	17000	21750			
128		Joshua	31750	0750	31750			
129		Kathleen		9750	9750			
130		Lisa		14000	14000			
131		Marilyn	29750		29750			
132		Mary	35000		35000			
133		Matthew	45500		45500			
134		Robert	32000		32000			
135		Rut		11000	11000			
136		<b>Grand Tot</b>	595350	116675	712025			
137								
138								
139								
140								







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297	through the	e "File" tab, "	Options", "A	Add-Ins", and	then manage I	Excel add	-ins.		
298									
299	9) Explain about Histogram?								
300	Ans- A histogram Is a graphical reprensentation of the distribution of a dataset.								
301	it's used to visualize the frequency distribution of continous data Here's how it								
302		works:							
303	* X-Axis: Represents the range of values in the dataset, divided into intervals								
304	or bins.								
305	5 * <b>Y-Axis:</b> Represents the frequency or count of data points falling each bin.								
306	306 Key Steps to Create a Histogram:								
307		1. Data Prep	paration: O	rganize your	data into a sing	gle colum	n in Exce	l.	
308		2. Define Bi	ns: Decide	on the range	e of values you	want to a	nalyze ar	ld	
309		divide it into	intervals or	bins.					
310	3. Data Grouping: Group your data into these bins, counting how many								
311	data points fall into each bin.								
312	2 4. Create the Histogram: In excel, you can use the "Histogram" chart type								
313	to create the visual representation.								
314		Select your	data, go to	the "Insert" t	ab, choose "Ch	narts", and	d then sel	ect	
315		"Histogram".							
316	316 Interpreting a Histogram:								
317	7 * A histogram visually shows the shape of the data distribution-whether it's								
318	8 symmetric, skewed, or has multiple peaks.								
319	* The height of each bar represent the frequency of data points within a specific								
320	) range.								
321	* Bins with higher bars indicate where the data is more concentrated.								
322	22 Histograms are valuable for understanding the underlying patterns and characteristics								
323	23 of a dataset, helping in data analysis and decision -making.								