

15. Inferential Statistics

In a particular game series, the following cumulative probability table has been particular player in one game.

×	F(x) = P(X<=x)
20	0.2
40	0.26
60	0.4
60 80	0.8
120	0.95
200	1

If the player played 40 games in that series, calculate the number of games in to 120 points

Answer Options

L3

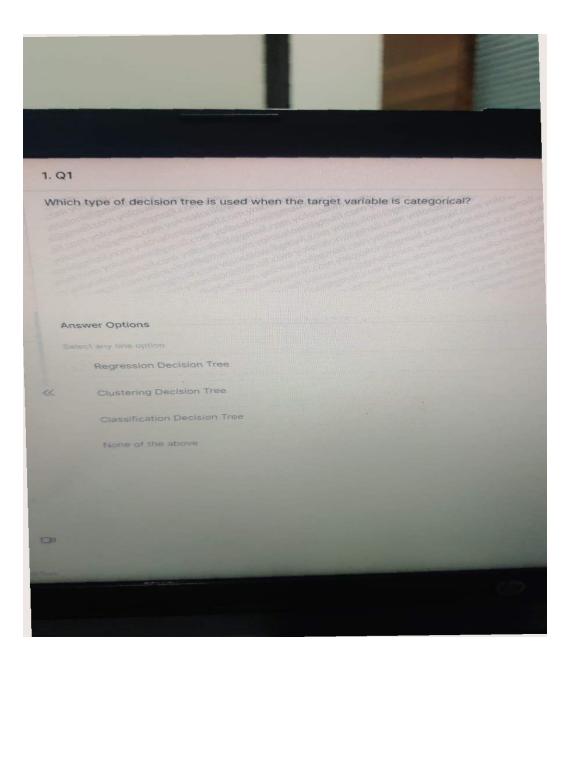
Select any one option

10

12

14

6

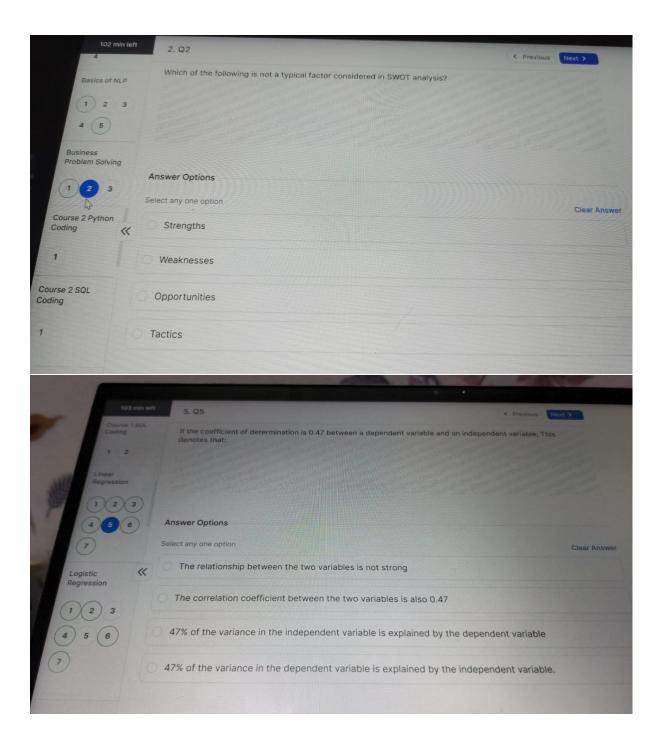


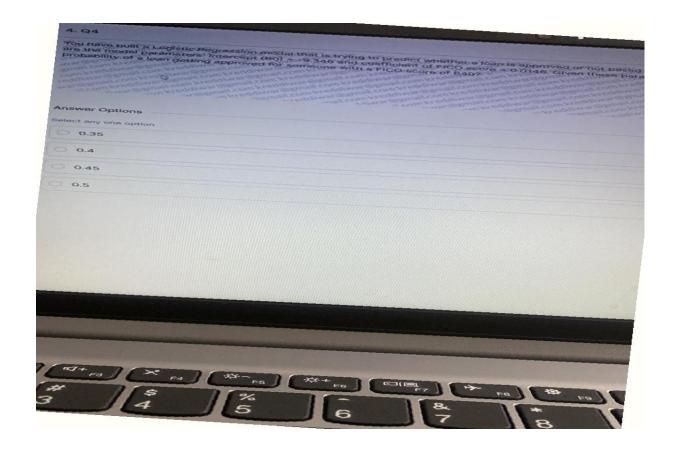
16. Inferential Statistics

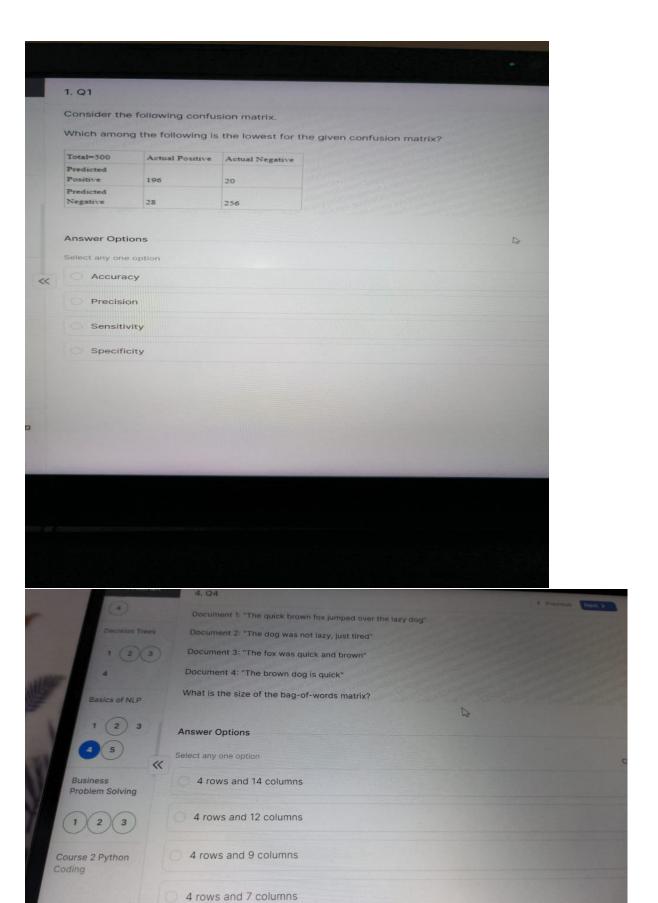
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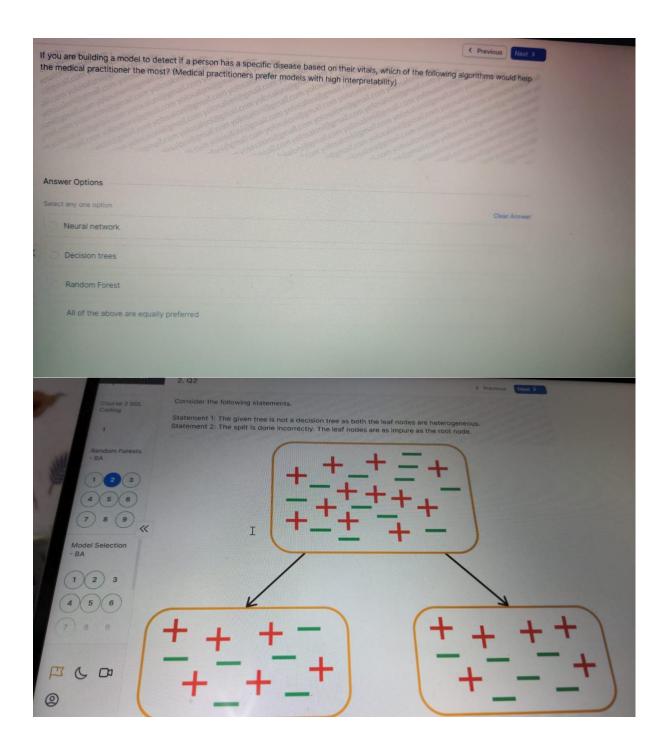
For a random variable that is normally distributed the mean comes out to be experiment, what would be the probability that the value of this random variable.

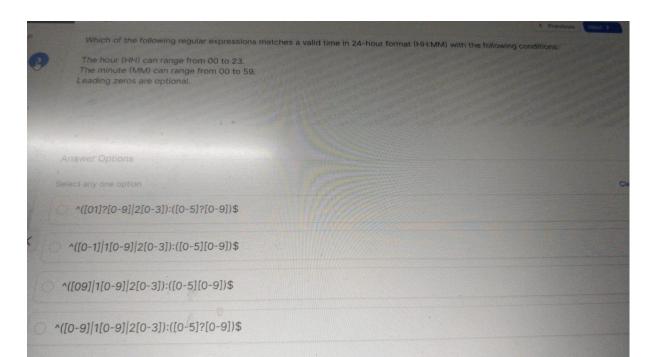
			"MOST	walley.	-Lilian in	stu. "u	ומה האו	Al	and seal	110 -th
	.00	.01	.02	.03	.04	.05	.06	.07	.08	
-1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	.037	
-1.6	.0548	.0537	.0526	.0516	.0505	.0495	.0485	.0475	.046	
-1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.057	
-1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0721	.0708	.0694	
-1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	
-1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	
-1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	
-0.9	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	
-0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	,1922	.1894	.186
-0.7	.2420	.2389	.2358	.2327	.2296	.2266	12236	.2206	.2177	.214
-0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.245
-0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.277
-0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.312
-0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
-0.2 -0.1	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
-0.0	.5000	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
0.0	.5000	.4900	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641
	.00		01	.02						
0.0					.03	.04	.05	<u> </u>	06	.07
0.0	.500		040	.5080	.5120	.5160	.519	9 .5	239	.5279
0.1	.539		438	.5478	.5517	.5557	.559		636	.5675
0.2	.579		832	.5871	.5910	.5948	.598		026	.6064
	.6179		217	.6255	.6293	.6331	.636		106	
0.4	.6554		591	.6628	.6664	.6700	.673			.6443
0.5	.6919		950	.6985	.7019	.7054	.708		772	.6808
0.6	.7257		291	.7324	.7357	.7389	.742			.7157
0.7	.7580		611	.7642	.7673	.7704				.7486
0.8	7881		910	.7939	.7967	.7995	.7734			.7794
0.9	.8159		186	.8212	.8238	.8264	.8023			.8078
1.0	.8413		438	.8461	.8485	.8508	.8289	-		8340
1.1	.8643		665	.8686	.8708		.8531	.85	54 .	8577
1.2	.8849		869	.8888	.8907	.8729	.8749			8790
1.3	.9032	the same of the sa	049	.9066	.9082	.8925	.8944			8980
1.4	.9192		207	.9222	.9236	.9099	.9115	.91		9147
1.5	.9332	.9:	345	.9357		.9251	.9265	.927		9292
1.6	9452	.94	163	.9474	.9370	.9382	.9394	.940		9418
1.7	.9554	.9!		.9573	.9484	.9495	.9505	.951		9525
1.8	.9641	.96		.9656	.9582	.9591	.9599	.960		
1.9	.9713	97		.9726	.9664	.9671	.9678	.968		0616
2.0	.9772	,97	778	.9783	.9732	.9738	.9744	.975		693
100	The same of the same of			1193	.9788	.9793	0.200	THE REAL PROPERTY.	4 .9	756

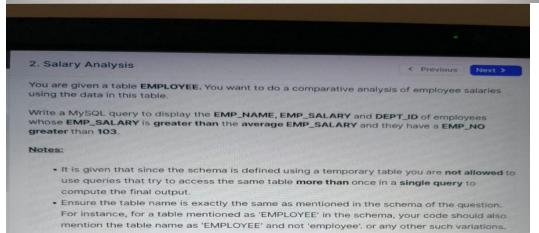




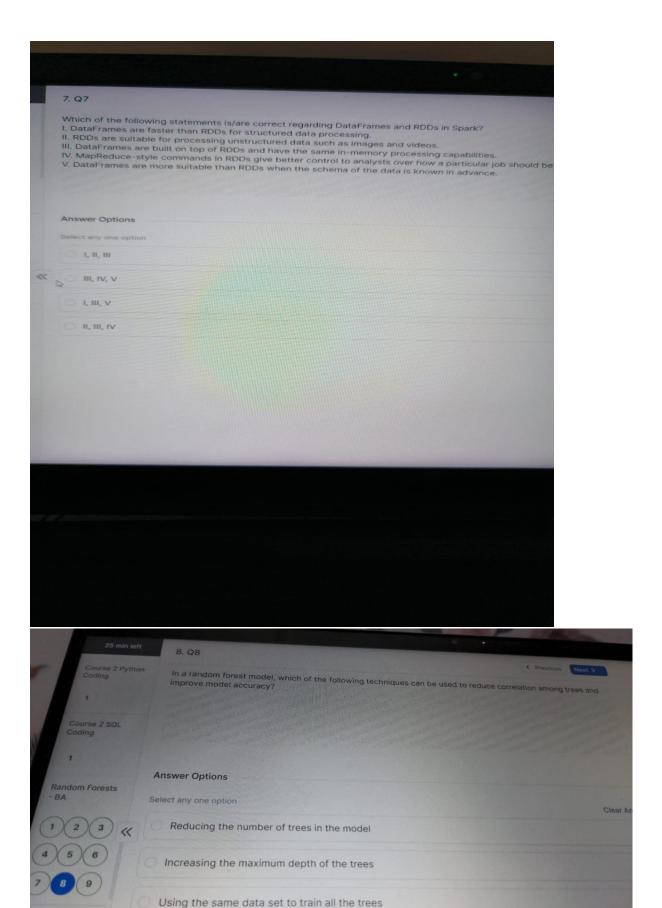








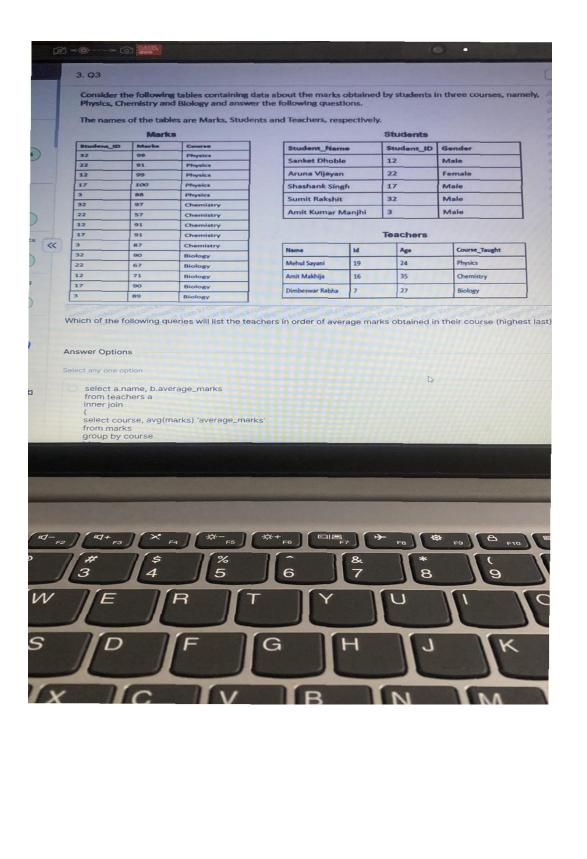
Schema		· ·
Table structure		
EMPLOYEE	L _S	
Name	Туре	Description
EMP_NO	int	Column denoting EMP_NO representing employee number
EMP_NAME	varchar(50)	Column denoting EMP_NAME representing employee name
HIRE_DATE	date	Column denoting HIRE_DATE representing date on which employee is hired
EMP_SALA	RY int	Column denoting EMP_SALARY representing salary of the employee
DEPT ID	int	Column denoting DEPT_ID representing id of



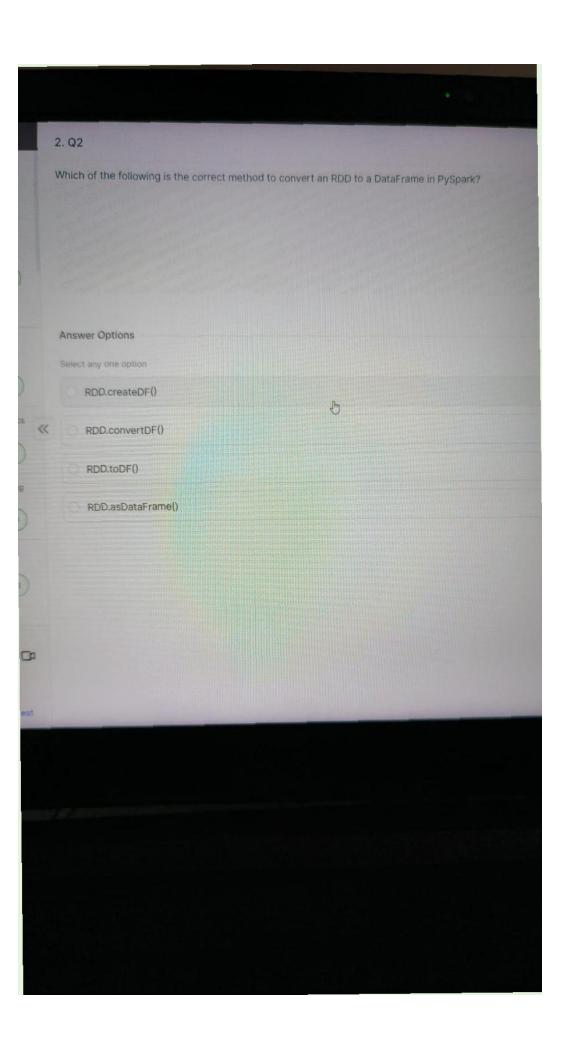
Subsampling the features used for each tree

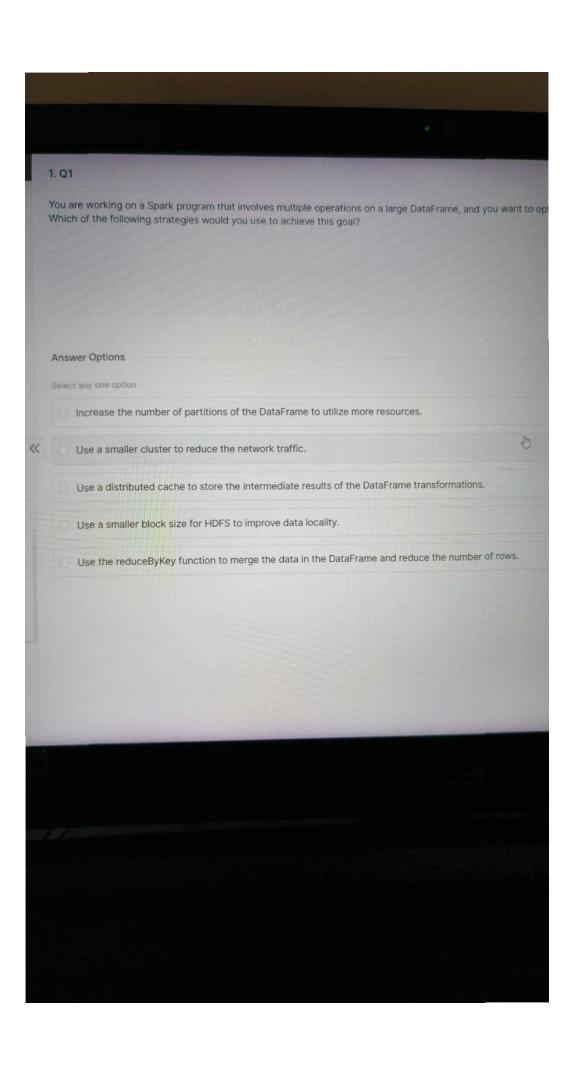
del Selection

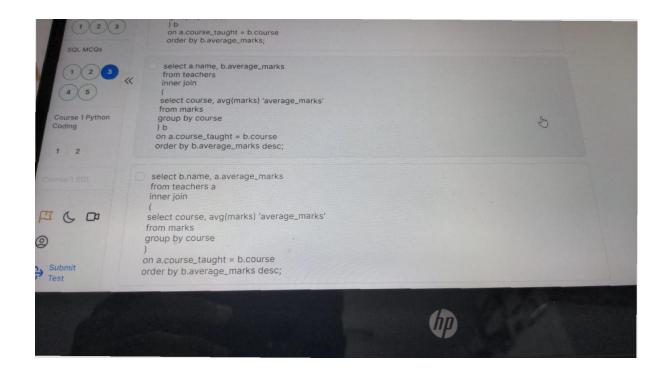
4. Q4 What does the code given below signify in PySpark? lines = sc.textFile('<path to input file, where file actually exists>') Output = lines.map(lambda x:(x.split(" ")[0],x)) **Answer Options** Splitting the lines of a file based on the space between words and retaining only the first word out of the given Splitting the lines of a file based on the space and retaining all words except the first word out of the given line Creating a paired RDD, with the first word as the key and the line as the value Creating a paired RDD with the first word as the value and the line as the key



5. Q5 While performing word count examples using Spark, Mr Bean wants to split every line on the basis of whites words out of it. What could be the best possible option to achieve the same? **Answer Options** Select any one option Мар FlatMap ReduceByKey







1. Salary Analysis

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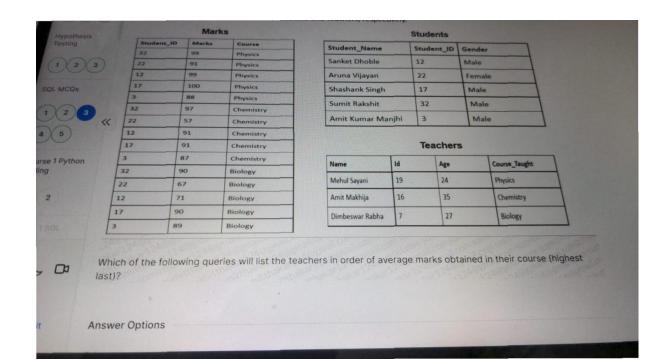
You are given a table **EMPLOYEE**. You want to do a comparative analysis of employee salaries using the data in this table.

Write a MySQL query to display the EMP_NAME, EMP_SALARY and DEPT_ID employees whose EMP_SALARY is greater than the average EMP_SALARY and they have a EMP_NO greater than 103.

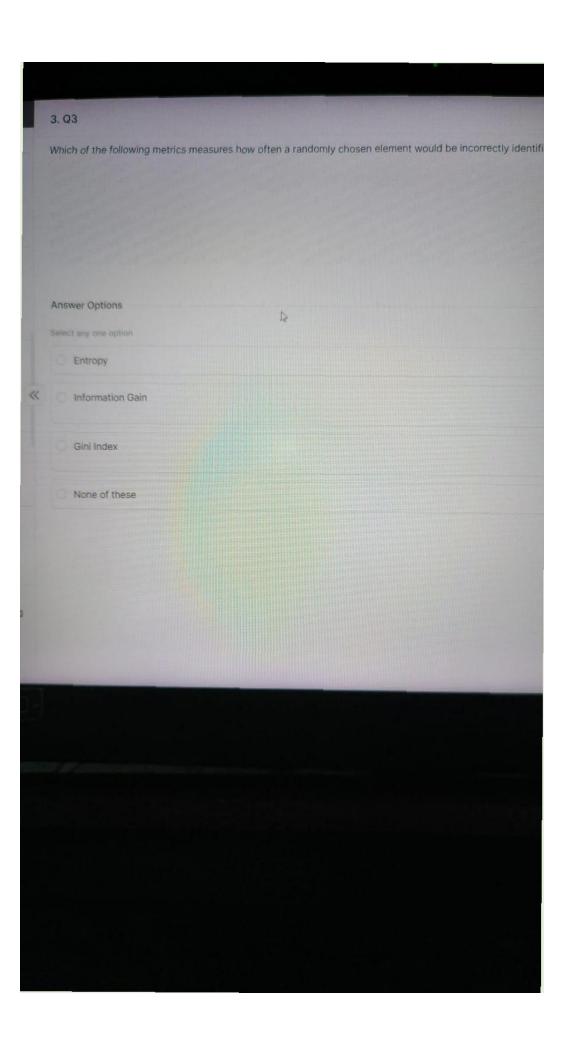
Notes:

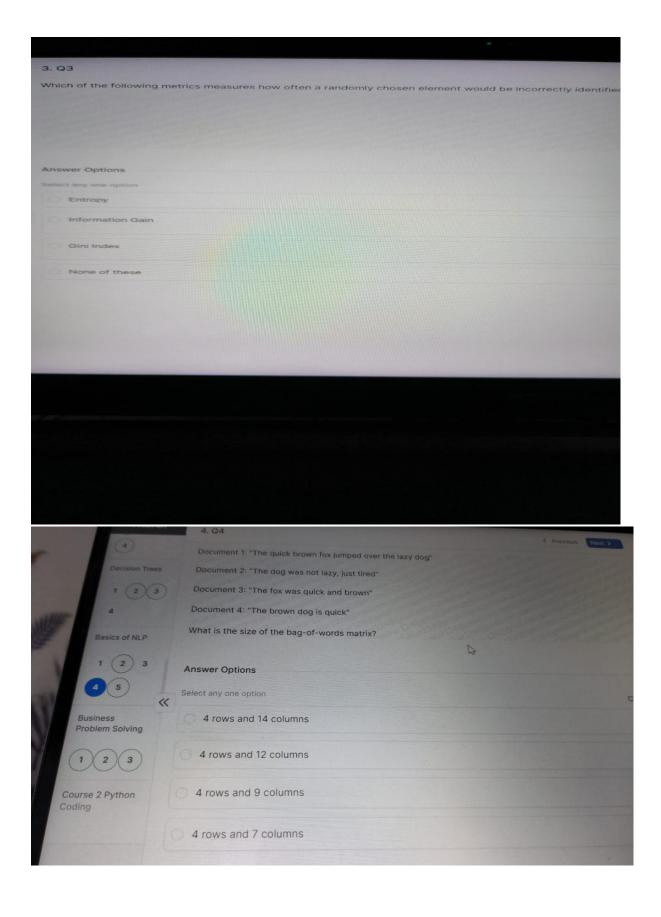
- It is given that since the schema is defined using a temporary table your are not allowed to use queries that try to access the same table more than once in a single query to compute the final output.
- Ensure the table name is exactly the same as mentioned in the schem
 of the question. For instance, for a table mentioned as 'EMPLOYEE' in
 the schema, your code should also mention the table name as
 'EMPLOYEE' and not 'employee'. or any other such variations.

Schema		
Table structure		
EMPLOYEE		
Name	Туре	Description
EMP_NO	int	Column denoting EMP_NO representing employee number
EMP NAME	varchar(50)	Column denoting EMP_NAME



1. Salary A	nalysis			< Previou	s Next		
EMP_S	EMP_SALARY		EMI	column denoting MP_SALARY representing alary of the employee			
DEPT	DEPT_ID		rep dep	Column denoting DEPT_ID representing id of the department where the employee works			
Sample te	stcase 1				^		
PLOYEE							
EMP_NO	NO EMP_NAME		HIRE_DATE	EMP_SALARY	DEPT.		
103	Vipul		1990-10-11	5000	34		
104	John		2020-11-11	3000	15		
105	Ram		2020-10- 11	10000	34		
tput							
Ram 10000				34			





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5. Q5 Ø	C Provi
If you use a random number generator to predict the output 0 or 1 for a binary cla	
of the ROC curve?	assertion and a producer of states and rate true disease of
Answer Options	
Sallect any one option	
0 0	
0.5	
01	
100	
-	

