Question 1	1 pts
Once the data is read, look at summary statistics to answer the question to the average Tenure of all the customers in the data is (Calculate the Average Tenure and round it to two decimal places)	
Question 2	2 pts
Once the data is read, look at summary statistics to answer the question $^{18,08}$ and who do not churn is $^{37.56}$ (round the answer to two decimal parts)	those
Question 3	1 pts
Once the data is read, look at summary statistics to answer the question & 3. The Feature MonthlyCharges has missing observations	below

Question 5		2
Once the data is read	l, look at summar	ry statistics to answer the questions belo
114.88 lies	at or below 99%	of the data for the feature
MonthlyCharges and	72.00	lies at or below 99% of the data for the
feature Tenure round	the answer to tw	vo decimal places wherever applicable)
Question 6		1;
		ne continuous features, lets take a look at elationship with the target ('Churn')
some categorical feat	tures and their re centage of churne	elationship with the target ('Churn') ed customers in the data. [Numeric Inpu
some categorical feat	tures and their re centage of churne	elationship with the target ('Churn') ed customers in the data. [Numeric Inpu
some categorical feat% is the total perc Example – if 0.67 or 6	tures and their re centage of churne	elationship with the target ('Churn') ed customers in the data. [Numeric Inpu

	Question 7		2	2 pts
	Now that we have taken a look some categorical features and t			at
	Amongst those who churned,	21.91	% of the customers who ha	ve
	Dependents tend to churn and	4.63	of the customers who do i	not
	have Dependents tend not to c in Churn behaviour by this feat 0.67 or 67% write 67 as answer]			
,_				
	Question 8			1 pts
	Now that we have taken a look some categorical features and the Amongst those customers who service have the least percentated believed in the data.	heir relationship churned, custom	with the target ('Churn') ners who opt forInternet	t
	0			
	Question 9			1 pts

Qı	uestion 11		1 pts
the		derstanding is complete, le nsights about the feature th	
wit ove tre	th the average value of the erall average value of the F	the Feature MonthlyCharge Monthly Charges column Feature Monthly Charges at racter Input].(In the average vo decimals places)	. Is there a change in fter the missing value

Question 12 2 pts

Once the step of Feature Understanding is complete, lets now start Engineering the Features based on the insights about the feature that tend to impact the churn.

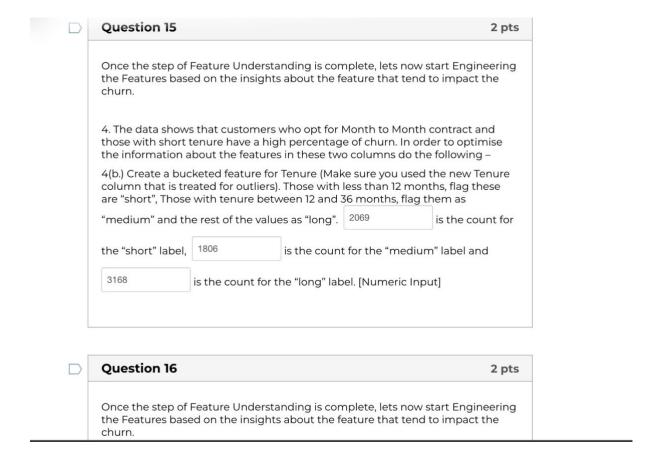
2. Treat the outliers in the column Tenure. All the values that are greater than 72 in this feature, convert those values to 72. There are only two such values. The new average after the outlier treatment for the column Tenure is \_\_\_\_ [Numeric Input – Round upto two decimals]

32.37

Question 12	2 pts
Once the step of Feature Understanding is complete, le the Features based on the insights about the feature th churn.	
2. Treat the outliers in the column Tenure. All the values in this feature, convert those values to 72. There are only new average after the outlier treatment for the column Input – Round upto two decimals]	y two such values. The
32.37	
Ouestion 17	2 ntc
<b>Question 13</b> Once the step of Feature Understanding is complete, le the Features based on the insights about the feature th	
Once the step of Feature Understanding is complete, le	ets now start Engineering hat tend to impact the envert all the categorical But before we do that, we is that possible only by eno Partners and no separate columns—nat has a flag for those ure—"Singles".——% is the

Question 14			2 pts	
Once the step of Feature I the Features based on the churn.				
4. The data shows that cus those with short tenure ha the information about the	ave a high percentage	of churn. In ord	er to optimise	
4(a.) Create a column whe 1 and all other labels in the				
count of 3875	for 1's and a count of	3168	for 0's. [Nu-	
Question 15			2 pts	
Question is			2 pts	
Once the step of Feature I the Features based on the churn.	insights about the fea	ature that tend	to impact the	
the Features based on the	insights about the feat stomers who opt for M	onth to Month	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has	insights about the feat stomers who opt for M	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cus	insights about the feat stomers who opt for M	onth to Month	to impact the	
the Features based on the churn.  4. The data shows that cust hose with short tenure had Question 3	insights about the feat stomers who opt for M ave a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has	stomers who opt for Maye a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has Question 3  Once the data is read, look at summary	stomers who opt for Maye a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has those with short tenure has the control of the data is read, look at summary 3. The Feature MonthlyCharges has	stomers who opt for Maye a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has those with short tenure has the control of the data is read, look at summary 3. The Feature MonthlyCharges has	stomers who opt for Maye a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has those with short tenure has the control of the data is read, look at summary 3. The Feature MonthlyCharges has	stomers who opt for Maye a high percentage	onth to Month of churn. In ord	to impact the	
the Features based on the churn.  4. The data shows that cust those with short tenure has those with short tenure has the data is read, look at summary 3. The Feature MonthlyCharges has	stomers who opt for Maye a high percentage statistics to answer the questions	onth to Month of churn. In ord	to impact the	

172.0000



Question 17 2 pts
14.07
Input –Example- If the answer is 0.67 or 67% write it as 67 in the blank]
4(c.) Create a new column called (Short_Contracts) that's a combination of Month-to-Month Contracts and customers with short tenures (less than 12 months) is the churn percentage for this column Short_Contracts? .[Numeric
(/a) Create a navy solution called (Chart Contracts) that's a combination of
4. The data shows that customers who opt for Month to Month contract and those with short tenure have a high percentage of churn. In order to optimise the information about the features in these two columns do the following –
the Features based on the insights about the feature that tend to impact the churn.
Once the step of Feature Understanding is complete, lets now start Engineering

5. Create a dummy for Payment Method column is such a way that label Electronic Check is flagged as 1 and all the other labels are flagged as zero.\_\_\_\_\_ is the percentage of churn who opt for Electronic Check as a Payment method vs. automatic payment methods.[Numeric Input –Example- If the answer is 0.67]

churn.

15.21

or 67% write it as 67 in the blank]

Question 19	2 pt
Once the step of Feature Understanding is complete, lets no the Features based on the insights about the feature that ter churn.	
7. Its also seen from the data, that those who pay high month likely to churn as compared to those who pay less monthly of this information in the model, flag those rows with monthly as low, 35 to 55 as medium and above 55 as High is the amongst those who pay high monthly charges.[Numeric Inpanswer is 0.67 or 67% write it as 67 in the blank]	harges. To bring ou charges less than 35 churn percentage
20.29	
Sav	ed at 18:07 Subm
	ed at 18:07 Subm
uestion 18  ce the step of Feature Understanding is complete, lets now state Features based on the insights about the feature that tend to	2 pts
uestion 18  Ince the step of Feature Understanding is complete, lets now state of Features based on the insights about the feature that tend to the urn.  Create a new column to flag those with No Online Security, No Device Protection and No Online Backup is the churn so column? [Numeric Input –Example- If the answer is 0.67 or 67]	2 pts  art Engineering impact the  Tech Support, percentage for
uestion 18  The cethe step of Feature Understanding is complete, lets now state a Features based on the insights about the feature that tend to urn.  Create a new column to flag those with No Online Security, No Device Protection and No Online Backup is the churn is column? [Numeric Input –Example- If the answer is 0.67 or 67 the blank]	2 pts  art Engineering impact the  Tech Support, percentage for