Answer-1 optimal value of alpha for sidge and Lasko segression lidge Alpha - 1 Laxo Alpha - 10 it Charge The Ridge Alphan I from to 2 Resc - 6.87931 ()\$ 0.87102 ()\$ 8.1411 (tonin) \$ 320928407278.4621 (tonin) \$ 729382743.8146 (tonin) \$ 729382743.8146 (tonin) if Change The Lasko Alpha to toom to 20 Re score - 0.88540 (trin) 4 6.86701. (test) PSS - 599329522996.7144 (train) 4 3309257044332.2679 (test) RMSE - 648745266.5136. (tooin) 1 752103873.7096 (tost) Rescore of toxining data how decreage and it how increase on testing. data for both Ridge appred Lasso Alpha. important Predictor Values: (i) Lot Area - give in saft

(ii) overall and - Rates the overall moterial and fright of house

(iii) Overall and - Rates the overall condition of house (in year Belt - Original construction deste (v) BentfinSF1 - Type I finished square feet Angwer- 2

The Re score of Lagro is slightly higher Translagro tor
the test data set so we will choose losso regretation
to solve this.

fire ment important predictor variousless Answer - 3 first floor square freet. (i) 1161Flrsf -(ii) Girline Area - Moore grade living area saugre fact (iii) Street Poure - Pour road access to property - foot material Metal (iV) foot math_metal

- Type of soof (shed) (11) Rootstyle-Shed

Answer - 4

The model should be genetalised so That the accuracy is not legger than The training Score. The model should be accurate for datablety other Than the ones which were used during training. Too much importance stould not given to the outliers so hat me accuracy predicted by The model is high. To Enxore That was is not case, The outliers analysis needs to be done and only those which are relevant to the totalet dotaget to be retained.