1.C   as we can see for $d=2$ the MSE
Mean squared error is Maximum
→   As the value of d increases
from 2 to 6   MSE decreases

2. e   The lowest MSE is in the range of
1 to 5 which implies that the locally
weighted lin reg doesnt work good for
for the given data.set

2.d.   it is same as in lin reg q(1) we are
decreasing the data points which really
increases the test MSE, but here in
locally weighted lin reg there is no
much increases in terms of ratio as
in comparison with Q.1 because
as the model is already performing
bad decreasing data doesn't change
much in loc lin. reg

2.e   from the results it clearly shows that
the data has been generated from
function is lin rg we say this that
function plots along with data in
q(1) from d=4 function. almost fits the
data.

3(c)   in this que leave one out validation
process and if we compare it with

prev KNN and Naive bayes then we
got better accuracy for this
softmax reg there we got slightly
better accuracy.
main reason is Cos features are
continous
Softmax > KNN.

3d. The acc ↓ decrease as the number of
feature ↑ in Softmax
in KNN it was opp.