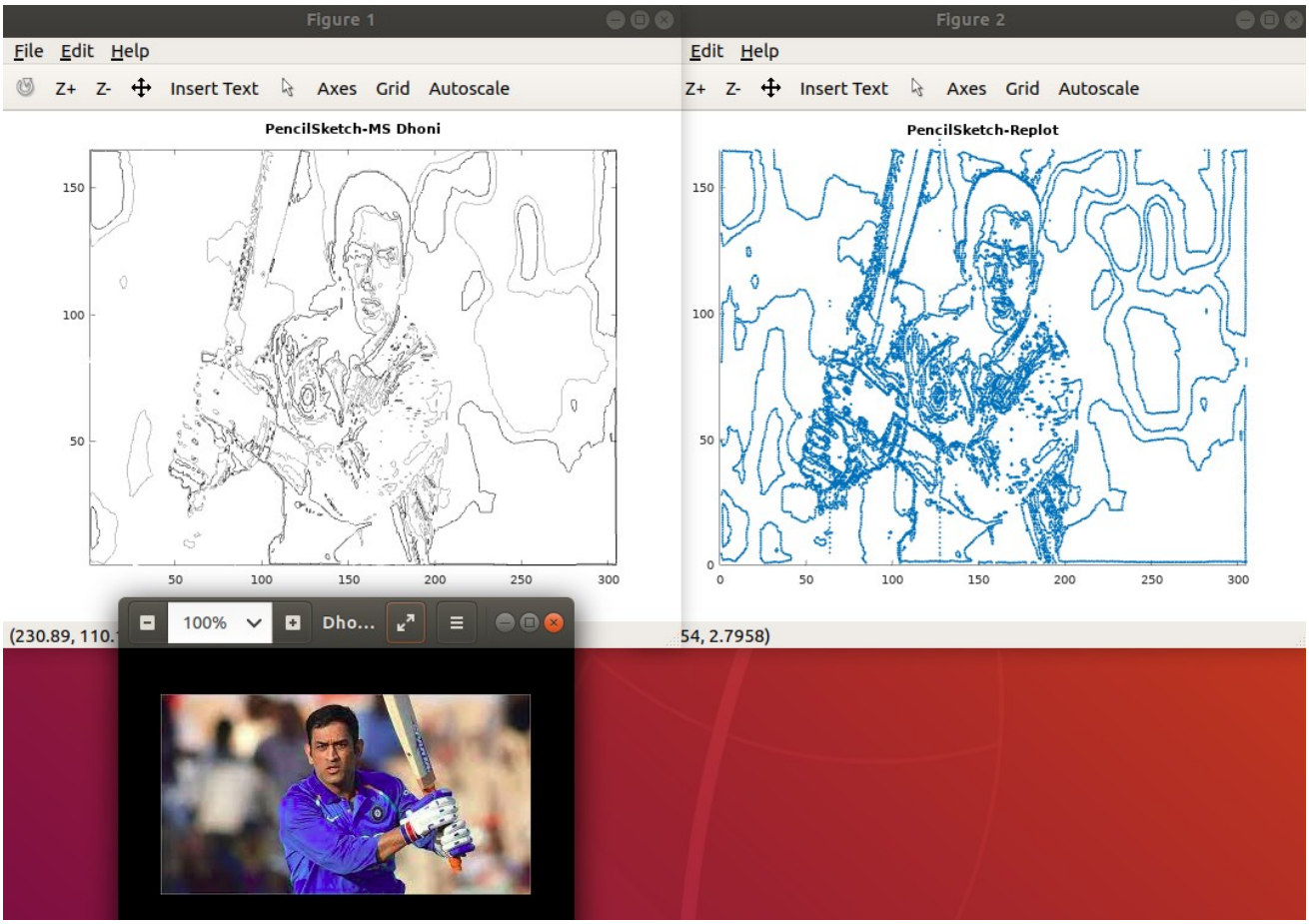
ID2090
ASSIGNMENT 5
E PRAKATHISHWAR
ME19B103

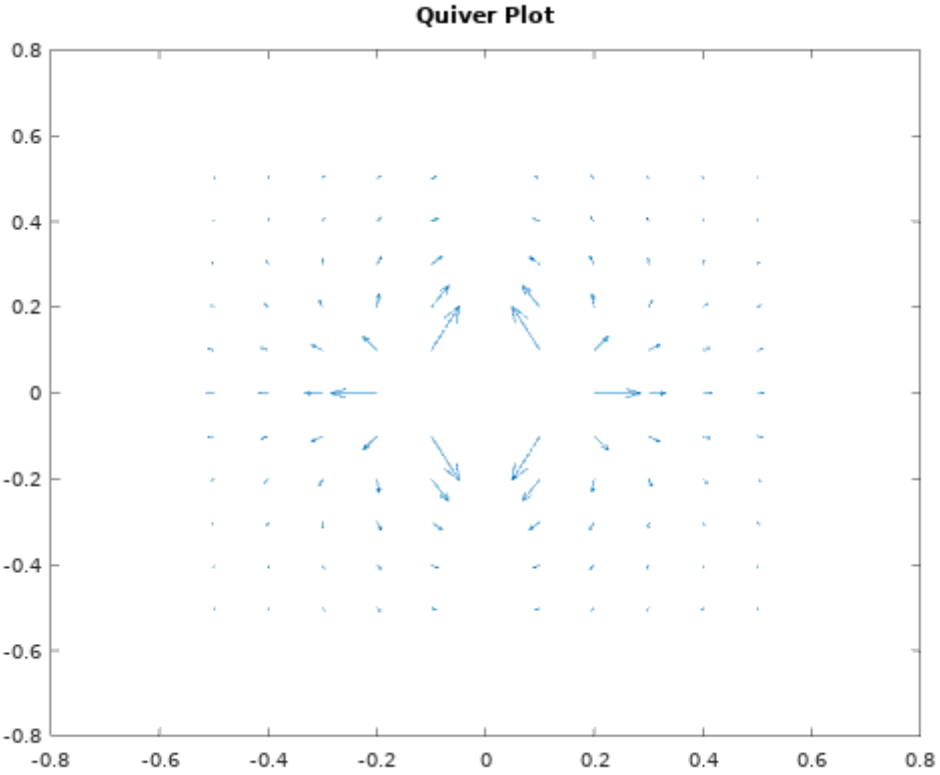
Q1)

Figurs of Contour, Replot of Contour, Original Pic are shown below.



Q2)

Derivate is calculated in script itself with help of gradient function



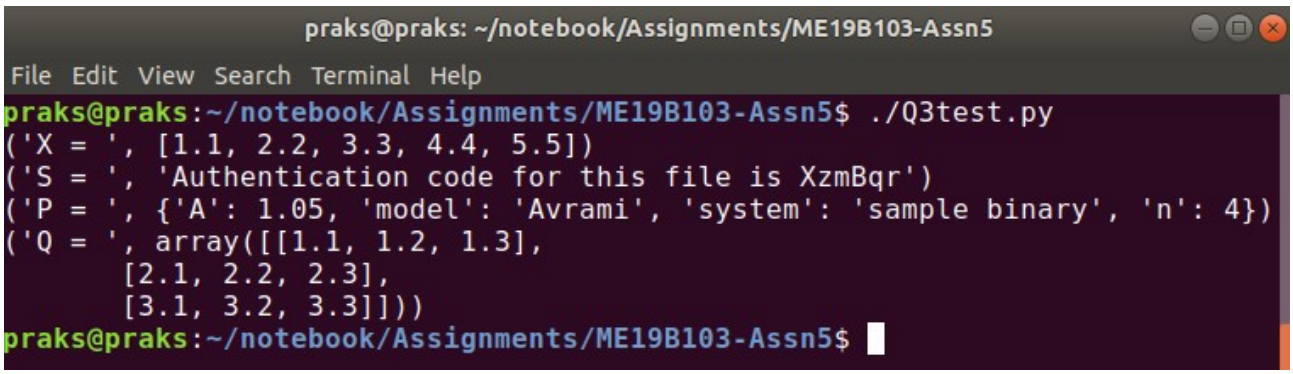
Q3)

Output in Octave and Data stored in text file is shown below.

```
>> run Q3.m
ans = X = [1.1, 2.2, 3.3, 4.4, 5.5]
ans = S = 'Authentication code for this file is XzmBqr'
ans = P = {'A': 1.05, 'model': 'Avrami', 'system': 'sample binary', 'n': 4}
ans = Q = array([[1.1, 1.2, 1.3],
ans =        [2.1, 2.2, 2.3],
>>
```

Open | mydata.dat ~/notebook/Assignments/ME19B103-Assn5 | Save

```
X = [1.1, 2.2, 3.3, 4.4, 5.5]
S = 'Authentication code for this file is XzmBqr'
P = {'A': 1.05, 'model': 'Avrami', 'system': 'sample binary', 'n': 4}
Q = array([[1.1, 1.2, 1.3],
       [2.1, 2.2, 2.3],
       [3.1, 3.2, 3.3]])
```



Checking data with a python script