

Name-Neeraj Kumar
Roll No-244103315

True Value:-4.40000000

Step size (h): 0.03

```
.....  
Forward Difference   : -6.38207600  Error : 1.98207600  
Backward difference  : -2.49827600  Error : 1.90172400  
Centered Difference  : -4.44017600  Error : 0.04017600
```

Step size (h): 0.06

```
.....  
Forward Difference   : -8.39201600  Error : 3.99201600  
Backward difference  : -0.72161600  Error : 3.67838400  
Centered Difference  : -4.55681600  Error : 0.15681600
```

Step size (h): 0.09

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.....  
Forward Difference   : -10.36955600 Error : 5.96955600  
Backward difference  : 0.89304400  Error : 5.29304400  
Centered Difference  : -4.73825600  Error : 0.33825600
```