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Problems @ Javadoc Declaration Console
<terminated> regulaFalsi [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:01:24 AM)
a          b          x          f (x)
2.0        2.5        2.3468834688346885    -1.663456009514924
2.3468834688346885    2.5    2.3760725472170785    -0.12583721709953366
2.3760725472170785    2.5    2.3782419899281604    -0.009268501196466161
2.3782419899281604    2.5    2.378401570132439    -6.813156370633067E-4
2.378401570132439    2.5    2.378413299537081    -5.007533121670349E-5
2.378413299537081    2.5    2.3784141616186565    -3.68039682641097E-6
2.3784141616186565    2.5    2.3784142249792084    -2.704986812318566E-7

```

### Regula Falsi Question 2 Output

```

Problems @ Javadoc Declaration Console
<terminated> NewtonRaphsonMethod [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:03:34 AM)
Enter Trail Root:
0.3
Root after 1th iteration is: 0.34652014652014657
Root after 2th iteration is: 0.3472961178879339
Root after 3th iteration is: 0.3472963553338384

```

### Newton Raphson Question 1

```

Problems @ Javadoc Declaration Console
<terminated> Newton_method2 [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:05:51 AM)
Enter Trail Root:
0
Root after 1th iteration is: 0.5
Root after 2th iteration is: 0.5663110031972182
Root after 3th iteration is: 0.5671431650348622
Root after 4th iteration is: 0.5671432904097811

```

### Newton Raphson Question 2

```

Problems @ Javadoc Declaration Console
<terminated> secantMethod [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:08:16 AM)
Roll Number 161210040
Root after 1st iteration is : 3.3553113553113554
Root after 2nd iteration is : 3.0588839202026388
Error % = 9.69070559202781
Root after 3rd iteration is : 2.7796829968672165
Error % = 10.04434403671533

```

### Secant Method Question 1

```
Problems @ Javadoc Declaration Console
<terminated> secantMethod [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:45:51 AM)
Roll Number 161210040
Root after 1 iteration is : 0.6981619832493626
Error % = 29.009154837316544
Root after 2 iteration is : 0.5411724339483974
Error % = 4.681069129785943
Root after 3 iteration is : 0.5677491648382587
Error % = 0.10632465713173977
```

**Secant Method Question 3**

```
Problems @ Javadoc Declaration Console
<terminated> secant3 [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Feb 22, 2018, 12:49:55 AM)
Roll Number 161210040
Root after 1 iteration is : 2.097560975609756
Root after 2 iteration is : 2.121339540471542
Root after 3 iteration is : 2.128585138684013
Root after 4 iteration is : 2.12841818637481
```

**Secant Method Question 2**