```
PS C:\Users\DELL> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc RegulaFalsi.c -o RegulaFalsi } ; if ($?) { .\RegulaFalsi }
Yogesh Singh YAdav / 20011983 /A
Enter Value of a and b :
0    1
Range is Correct
Enter Allowed Error : 0.0001
x2 = 0.470990
x3 = 0.372277
x4 = 0.361598
x5 = 0.360537
x6 = 0.360433
Root of Equation x = 0.360433
PS C:\Users\DELL\Downloads>
```

```
PS C:\Users\DELL\Downloads> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc RegulaFalsi.c -o RegulaFalsi } ; if ($?) { .\RegulaFalsi }
Yogesh Singh YAdav / 20011983 /A
Enter Value of a and b : 0 2
Range is Incorrect
Enter Value of a and b : 0 1
Range is Correct
Enter Allowed Error : 0.0001
x2 = 0.470990
x3 = 0.372277
x4 = 0.361598
x5 = 0.360537
x6 = 0.360433
Root of Equation x = 0.360433
PS C:\Users\DELL\Downloads>
```

```
PS C:\Users\DELL> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc RegulaFalsi.c -o RegulaFalsi } ; if ($?) { .\RegulaFalsi }
 Shubhanshu kaintura/ 20011778 /54
Enter Value of a and b :
0 1
Range is Correct
Enter Allowed Error : 0.0001
x2 = 0.470990
x3 = 0.372277
x4 = 0.361598
x5 = 0.360537
x6 = 0.360433
Root of Equation x = 0.360433
PS C:\Users\DELL\Downloads>
```

```
PS C:\Users\DELL\Downloads> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc RegulaFalsi.c -o RegulaFalsi } ; if ($?) { .\RegulaFalsi }
 Shubhanshu kaintura/ 20011778 /54
Enter Value of a and b :
1 2
Range is Correct
Enter Allowed Error : 0.0001
x2 = 1.700702
x3 = 2.551388
x4 = 1.800878
x5 = 1.849739
x6 = 1.872173
x7 = 1.882186
x8 = 1.886597
x9 = 1.888530
x10 = 1.889375
x11 = 1.889744
x12 = 1.889905
x13 = 1.889975
x14 = 1.890006
Root of Equation x = 1.890006
PS C:\Users\DELL\Downloads>
```

```
PS C:\Users\DELL\Downloads> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc Iteration.c -o Iteration } ; if ($?) { .\Iteration
Yogesh Singh Yadav         20011983

Enter Allowed Error :
0.0001
Enter No. of Iterations : 9
x1 = 0.666667
x2 = 0.595296
x3 = 0.609328
x4 = 0.606678
x5 = 0.607182
x6 = 0.607086
x7 = 0.607105
x8 = 0.607101
x9 = 0.607102
Root of Equation x = 0.607102
PS C:\Users\DELL\Downloads>
\ 0
```

```
PS C:\Users\DELL\Downloads> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc Iteration.c -o Iteration } ; if ($?) { .\Iteration }
Yogesh Singh Yadav         20011983

Enter Allowed Error :
0.0012
Enter No. of Iterations : 10
x1 = 0.666667
x2 = 0.595296
x3 = 0.609328
x4 = 0.606678
x5 = 0.607182
x6 = 0.607086
x7 = 0.607105
x8 = 0.607101
x9 = 0.607102
x10 = 0.607102
Root of Equation x = 0.607102
PS C:\Users\DELL\Downloads>
\ 0
```

```
PS C:\Users\DELL> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc Iteration.c -o Iteration } ; if ($?) { .\Iteration }
Shubhanshu kaintura / 20011778 /54

Enter Allowed Error :

0.0001
Enter No. of Iterations : 7
x1 = 0.666667
x2 = 0.595296
x3 = 0.609328
x4 = 0.606678
x5 = 0.607182
x6 = 0.607086
x7 = 0.607105
Root of Equation x = 0.607105
PS C:\Users\DELL\Downloads>
```

```
PS C:\Users\DELL\Downloads> cd "c:\Users\DELL\Downloads\" ; if ($?) { gcc Iteration.c -o Iteration } ; if ($?) { .\Iteration }
Shubhanshu kaintura / 20011778 /54

Enter Allowed Error :
0.0002
Enter No. of Iterations : 5
x1 = 0.666667
x2 = 0.595296
x3 = 0.609328
x4 = 0.606678
x5 = 0.607182
Root of Equation x = 0.607182
PS C:\Users\DELL\Downloads>
```