

## Lab no.1 (Bisection method) :-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS Code + - [ ] [X] ... ^ X
• brahma@brahma:/media/brahma/Store_2/NM$ cd "/media/brahma/Store_2/NM/" && gcc bisection.c -o bisection
&& "/media/brahma/Store_2/NM/"bisection
Enter lower bound (a), upper bound (b), and tolerance: 2 3 0.001
The root is: 2.09473
```

## Lab no. 2 (Newton raphson method):-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS Code + - [ ] [X] ... ^ X
• brahma@brahma:/media/brahma/Store_2/NM$ cd "/media/brahma/Store_2/NM/" && gcc newton_raphson.c -o
newton_raphson && "/media/brahma/Store_2/NM/"newton_raphson
Enter initial guess and tolerance: 2 3 0.001
The root is: 2.10000
○ brahma@brahma:/media/brahma/Store_2/NM$
```

## Lab no. 3 (Secant method) :-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS Code + - [ ] [X] ... ^ X
cd "/media/brahma/Store_2/NM/" && gcc secant.c -o secant && "/media/brahma/Store_2/NM/"secant
• brahma@brahma:/media/brahma/Store_2/NM$ cd "/media/brahma/Store_2/NM/" && gcc secant.c -o secant
&& "/media/brahma/Store_2/NM/"secant
Enter two initial guesses and tolerance: 4 2 0.001
The root is: 5.74166 found at iteration: 7
○ brahma@brahma:/media/brahma/Store_2/NM$
```

## Lab no. 4 (Fixed point method) :-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS Code + - [ ] [X] ... ^ X
• brahma@brahma:/media/brahma/Store_2/NM$ cd "/media/brahma/Store_2/NM/" && gcc fixed_point.c -o fi
xed_point && "/media/brahma/Store_2/NM/"fixed_point
Enter two initial guesses and tolerance: 3 9 0.001
The root is: 1.00000 found at iteration: 7
○ brahma@brahma:/media/brahma/Store_2/NM$
```

## Lab no. 5 (False position method) :-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS Code + - [ ] [X] ... ^ X
• brahma@brahma:/media/brahma/Store_2/NM$ cd "/media/brahma/Store_2/NM/" && gcc false_position.c -o
false_position && "/media/brahma/Store_2/NM/"false_position
Enter lower bound (a), upper bound (b), and tolerance: 0 2 0.001
The root is: 0.99991 found at iteration: 7
○ brahma@brahma:/media/brahma/Store_2/NM$
```