

```
C:\Users\Debasis\Documents\GitHub\FortranSem1\assignments>gfortran newtonr.f90
```

```
C:\Users\Debasis\Documents\GitHub\FortranSem1\assignments>a.exe
```

```
Enter init guess:
```

```
1.0
```

```
Enter max error:
```

```
0.0001
```

```
Enter max number of iterations:
```

```
100
```

```
The root is(X1): 0.739112914
```

```
Value at root(F(X1)): -4.64916229E-05
```

```
Number of iterations: 2
```

```
C:\Users\Debasis\Documents\GitHub\FortranSem1\assignments>_
```