

Numerical Analysis
Programming Assignment # 1
Zaid Abid (18100129)

1. The solution comes out to be **3.0571** in the **3rd** iteration.

2. **For $\pi/2$** , the solution comes out to be **1.8955** in the **14th** iteration.
For 5π , the solution comes out to be **1.8955** in the **18th** iteration.
For 10π , the solution does not come as the error value keeps increasing.
The results come in different iterations.
The solution does not converge for 10π .

3. The solution comes out to be **-0.0407** in the **10th** iteration.

4. The solution comes out to be **$x = 1$, $y = 2$ and $z = 1$** in the **4th** iteration.