**Algorithm of Picard Method**

1. Start

2. Read the initial values of and **,** say and .

3. Read the values at which functional value is required, say it be .

4. Set**,** .

5. Compute the estimated value of as below.

Compute

Compute Error=

If error is less than the desired level of accuracy.

Go to Step 7

Else

Set,

Go to Step 5

6. Display the functional value**,** .

7. Terminate