

```
PROGRAM Kadai4_1
  IMPLICIT NONE
  INTEGER :: I,N, F, Fn0 = 0, Fn1 = 1
  REAL :: Gold

  PRINT *, "Enter N of Fibonacci numbers in terms of N:"
  READ *, N

  DO I = 2, N
    F = Fn0 + Fn1
    Fn0 = Fn1
    Fn1 = F
  END DO

  Gold = REAL(Fn1) / Fn0
  PRINT *, "Fibonacci numbers of ", N, "is ", F
  PRINT *, "Golden ratio is ", Gold
END PROGRAM Kadai4_1
```