



PSEUDOCODE OF ARMSTRONG NUMBER

```
BEGIN
  DECLARE    integer TEMP,N
  DECLARE    Integer REM,RES
  DECLARE    TYPE
  OUTPUT     "please choose the mode of digit of Armstrong
             1-3 digit number
             2-4 digit number

  INPUT      Enter N
  OUTPUT     "enter your Armstrong number"
  INPUT      N
  ASSIGN     TEMP=N
             RES=0
  IF TYPE=1
      WHILE  N>0
          ASSIGN  REM=0
                  RES=REM*REM*REM+RES
                  ASSIGN N=N/10
      END WHILE
  END
  FALSE
      WHILE N>0
          ASSIGN REM=N%10
                  RES=REM*REM*REM*REM+RES
                  N=N/10
      END
  END
  IF TEMP=RES
      OUTPUT   "The number is Armstrong number"
  FALSE
      OUTPUT   "the number is not Armstrong number"
  END
END
```