

PSEUDO CODE FOR ARMSTRONG NUMBER:-

```
BEGIN
  DECLARE INTEGER CHOICE
  DO LOOP
    DECLEAR INTEGER I
    DISPAY"CHOOSE I=2 FOR THREE DIGITS ARMSTRONG NUMBER AND CHOOSE I=3 FOR
    FOUR DIGITS ARMSTRONG NUMBER

    INPUT I

    IF(I==2)
      ASSIGN C=0
      GET A
      ASSIGN D=A
      FOR(A=A,A>1,A-)
        ASSIGN B=A%10
        ASSIGN C=C+(B*B*B)
        ASSIGN A=A/10
        ASSIGN A=A+1
      END FOR
      IF (C=D)
        PRINT "ARMSTRONG NUMBER"
      ELSE PRINT "NOT A ARMSTRONG NUMBER"
      END IF
    ELSE DIPSLAY
      ASSIGN TOATL=0
      DECLAR STRING VALUE
      GET VALUE
      FOR (LENGTH=0,LEN(VALUE)-1)
        ASSIGN TOATL=TOATL+TOINTEGER(CHAR(VALUE,LENGTH))^4
      END FOR
      IF(TOTAL=TOINTEGER(VALUE))
        DISPLAY "ARMSTRONG NUMBER"
      ELSE DISPALY "NOT ARMSTRONG NUMBER"
      END IF
    END IF
    DISPALY "DO YOU WISH TO CONTINUE 1 YES 2 NO"
    GET CHOICE
    DO(CHOICE==1)
    END DO
  END
END
```

