# *Task-6{Pseudo codes}*

**Question: Write Pseudo code for checking whether the entered number is an Armstrong number or not..**

**Pseudo Code:**

**BEGIN**

**DECLARE Temp, N**

**DECLARE Res, Rem**

**DECLARE choice**

**DISPLAY**

**Enter type of number**

1. **3-Digit Number**
2. **4-Digit Number**

**GET choice**

**GET N (3-digit Number)**

**ASSIGN TEMP=N**

**ASSIGN Res = 0**

**IF choice==1**

**WHILE N>0**

**COMPUTE Rem=N%10**

**Res=Rem\*Rem\*Rem + Res**

**N=N/10**

**END WHILE**

**ELSE**

**WHILE N>0**

**COMPUTE Rem=N%10**

**Res=Rem\*Rem\*Rem\*Rem + Res**

**N=N/10**

**END WHILE**

**END IF**

**IF Temp==Res**

**DISPLAY “Number is an Armstrong number”**

**ELSE**

**DISPLAY “Number is not an Armstrong number”**

**END IF**

**END**