PSEUDOCODE

MAIN FUNCTION

Declare integer num

Input num

Declare integer b

Assign b = amstrong (num)

END

FUNCTION AMSTRONG (Integer num)

Declare integer temp1, temp2

Assign temp1 = num

Assign temp2 = num

Declare integer r

Declare integer count

Assign count = 0

Declare integer sum

Assign sum = 0

Declare integer i,n

If num>0

While temp1>0

Assign r = temp1%10

Assign count = count+1

Assign temp1 = temp1/10

End

```
        While temp2>0
            Assign n = 1
            Assign r = temp2%10
            For i = 1 to count
                Assign n = n*r
            End
            Assign temp2 = temp2/10
            Assign sum = sum+n
        End

        If sum==num
            Output “Given number is Amstrong number”
        False:
            Output “Given number is not an Amstrong number”
        End
    False:
        Output “Invalid”
    End
RETURN INTEGER NUM
```