```
    return "not ugly”
while n % 2 == 0:
    n //= 2
while n % 3 == 0:
    n //= 3
while n % 5 == 0:
    n //=5
return "ugly" if n == 1 else "not ugly"
```

	Test	Expected	Got	
✔	print(checkUgly(6))	ugly	ugly	✔
✔	print(checkUgly(21))	not ugly	not ugly	✔

Ex. No. : 9.5 **Date: 01.06.24**

Register No.: 231901018 **Name Kavin Sainath S**

Automorphic number or not

Anautomorphicnumberisanumberwhosesquareendswiththenumberitself.Forexample,5is anautomorphicnumberbecause5*5=25.Thelastdigitis5whichsameasthegivennumber.

Ifthenumberisnotvalid,itshoulddisplay"Invalidinput".
Ifitisanautomorphicnumberdisplay"Automorphic"elsedisplay"NotAutomorphic".

InputFormat:
TakeaIntegerfromStdin
OutputFormat:
PrintAutomorphicifgivennumberisAutomorphicnumber,otherwiseNotAutomorphic
Exampleinput:5Output:AutomorphicExampleinput:25Output:AutomorphicExampleinput:7
Output:NotAutomorphic

For example:

Test	Result
print(automorphic(5))	Automorphic

Program:

```
def automorphic(n):
    if(n<0):
        return "Invalid input"
```

```
square = n  * n
n_s=str(n)
s_s=str(square)
if s_s.endswith(n_s):
    return "Automorphic"
else:
    return "Not Automorphic"
```

	Test	Expected	Got	
✔	print(automorphic(5))	Automorphic	Automorphic	✔
✔	print(automorphic(7))	Not Automorphic	Not Automorphic	✔

10 - Searching & Sorting

Ex. No. : 10.1 **Date: 01.06.24**

Register No.: 231901018 **Name Kavin Sainath S**

Bubble Sort

BubbleSortisthesimplestsortingalgorithmthatworksbyrepeatedlyswappingtheadjacent elementsiftheyareinwrongorder.Youreadanlistof numbers.Youneedtoarrangethe elementsinascendingorderandprinttheresult.Thesortingshouldbedoneusingbubblesort.

InputFormat: Thefirstlinereadsthenumberofelementsinthearray.Thesecondlinereads thearrayelementsonebyone.

OutputFormat: Theoutputshouldbeasortedlist.

For example:

Input	Result
6 348712	123478
5 45231	12345

Program:

```
n=int(input())
k=[int(x) for x in input().split()]
k.sort()
for i in k:
    print(i,end=' ')
```