Codekata Report:

Name: Paramesh Kumar S

Email: svpparameshkumar2004@gmail.com

1. Problem Statement:You are given a number A in Kilometers. Convert this into B: Meters and C: Centi-Metres.

Input Description:A number "A" representing some distance in kilometer is provided to you as the input.

Output Description:Convert and print this value in meters and centimeters.

Explanation:1 KM = 1000 M1M = 100 CM1KM = 1000*100 CM = 100000 CM

Sample Input:2

Sample Output:2000200000

Input Description:

A number "A" representing some distance in kilometer is provided to you as the input.

Output Description:

Convert and print this value in meters and centimeters.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
VP = int(input())
print(VP*1000)
print(VP*100000)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2000
200000

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4000
400000

Compilation Status: Passed

Execution Time:

0.011s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3000
300000

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0
0

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

99000
9900000

Compilation Status: Passed

Execution Time:

0.014s

2. Problem Statement:You are provided with a number check whether its odd or even.Print "Odd" or "Even" for the corresponding cases.Note: In case of a decimal, Round off to nearest integer and then find the output. Incase the input is zero, print "Zero".

Input Description:A number is provided as the input.

Output Description:Find out whether the number is odd or even.Print "Odd" or "Even" for the corresponding cases.Note: In case of a decimal, Round off to nearest integer and then find the output. In case the input is zero, print "Zero".

Explanation:2%2 = 0.2 is an even number.

Sample Input:2

Sample Output:Even

Input Description:

A number is provided as the input.

Output Description:

Find out whether the number is odd or even.
Print "Odd" or "Even" for the corresponding cases.
Note: In case of a decimal, Round off to nearest integer and then find the output. In case the input is zero, print "Zero".

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
VP = int(input())
if(VP == 0):
print("Zero")
elif(VP%2==0):
print("Even")
else:
print("Odd")
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Even

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Odd

Compilation Status: Passed

Execution Time:

0.01s

3. Problem Statement:You are given with a number "N", find its cube.

Input Description:A positive integer is provided.

Output Description:Find the cube of the number.

Sample Input:2

Sample Output:8

Explanation:2 Cube is 222 = 8

Input Description:

A positive integer is provided.

Output Description:

Find the cube of the number.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
VP = int(input())
print(VP**3)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-8

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.01s

4. Problem Statement:You are given Two Numbers, A and B. If C = A + B. Find C. Note: Round off the output to a single decimal place.

Input Description:You are provided with two numbers A and B.

Output Description:Find the sum of the two numbers (A + B)

Explanation:1+1 = 2

Sample Input:11

Sample Output:2

Input Description:

You are provided with two numbers A and B.

Output Description:

Find the sum of the two numbers (A + B)

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = float(input())
p = float(input())
vp = v+p

if(vp.is_integer()):
print(int(vp))
else:
print(vp)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

20

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

27

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-75

Compilation Status: Passed

Execution Time:

0.01s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

67

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6.3

Compilation Status: Passed

Execution Time:

0.013s

5. Problem Statement:You are given A = Length of a rectangle & B = breadth of a rectangle. Find its area “C”. (A and B are natural numbers)

Input Description:The inputs are two natural numbers representing the length and the breadth of a rectangle.

Output Description:Find the area of the rectangle formed by the provided input. Round off the answer to the first decimal place if required.

Explanation:Area = LB = AB = 2*3 = 6

Sample Input:23

Sample Output:6

Input Description:

The inputs are two natural numbers representing the length and the breadth of a rectangle.

Output Description:

Find the area of the rectangle formed by the provided input. Round off the answer to the first decimal place if required.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = int(input())
p = int(input())

print(v*p)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

144

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

30

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

363

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.009s

6. Problem Statement:The area of an equilateral triangle is ¼(√3a² where "a" represents a side of the triangle. You are provided with the side "a". Find the area of the equilateral triangle.

Input Description:The side of an equilateral triangle is provided as the input.

Output Description:Find the area of the equilateral triangle and print the answer up to 2 decimal places after rounding off.

Explanation:Area of Triangle = ½ × base × height

 Area = ½ × a × ½(√3a)when a = 20Area = 173.21

Sample Input:20

Sample Output:173.21

Input Description:

The side of an equilateral triangle is provided as the input.

Output Description:

Find the area of the equilateral triangle and print the answer up to 2 decimal places after rounding off.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
import math

a = float(input())
area = (math.sqrt(3)/4) * (a**2)

print(f"{area:.2f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

173.21

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4243.96

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0.11

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15.59

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15.07

Compilation Status: Passed

Execution Time:

0.014s

7. Problem Statement:You are given three numbers A, B & C. Print the largest amongst these three numbers.

Input Description:Three numbers are provided to you.

Output Description:Find and print the largest among the three

Sample Input:123

Sample Output:3

Explanation:3 > 2 && 1

Input Description:

Three numbers are provided to you.

Output Description:

Find and print the largest among the three

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = float(input())
p = float(input())
vp = float(input())

largest = max(v,p,vp)

if(largest.is_integer()):
print(int(largest))
else:
print(largest)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

89

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0.99

Compilation Status: Passed

Execution Time:

0.01s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-0.11

Compilation Status: Passed

Execution Time:

0.014s

8. Problem Statement:Let "A" be a year, write a program to check whether this year is a leap year or not. Print "Y" if its a leap year and "N" if its a common year.

Input Description:A Year is the input in the form of a positive integer.

Output Description:Print "Y" if its a leap year and "N" if its a common year.

Sample Input:2020

Sample Output:Y

Explanation:2020 is a leap year.

Input Description:

A Year is the input in the form of a positive integer.

Output Description:

Print "Y" if its a leap year and "N" if its a common year.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
year = int(input())
```

```
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
print("Y")
else:
print("N")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

N

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Y

Compilation Status: Passed

Execution Time:

0.012s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Y

Compilation Status: Passed

Execution Time:

0.01s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

N

Compilation Status: Passed

Execution Time:

0.01s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

N

Compilation Status: Passed

Execution Time:

0.01s

9. Problem Statement:You are given the coefficients of a quadratic equation in order A, B & C.Where A is the coefficient of X^2, B is the coefficient of X and C is the constant term in the most simplified form.Example: For $X^2 + 5X + 6 = 0$, you are given the input as: 1 5

6.Write a program to find all of the roots of the quadratic.Note: Th output should be up to 2nd decimal place (round off if needed) an in case of a recurring decimal use braces i.e. for eg: 0.33333..... = 0.33.Note: Use Shri Dharacharya's Method to solve i.e. X = {-b + √(- 4ac) } / 2a & {-b-√(b² -4ac)} / 2a

Input Description:Three numbers corresponding to the coefficients of x(squared), x and constant are given as an input in that particular order

Output Description:Print the two values of X after rounding off to 2 decimal places if required.

Explanation:X = {-b + √(b² - 4ac) } / 2a & {-b-√(b² -4ac)} / 2aa = 1, b = 5, c = 6.

Sample Input:1 5 6

Sample Output:-2.00-3.00

Input Description:

Three numbers corresponding to the coefficients of x(squared), x and constant are given as an input in that particular order

Output Description:

Print the two values of X after rounding off to 2 decimal places if required.

Completion Status: Not Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
import math

n = input().strip().split()
a = float(n[0])
b = float(n[1])
c = float(n[2])

d = b * b - 4 * a * c

if d < 0:
print("Complex Roots")
else:
e = (-b + math.sqrt(d)) / (2 * a)
h = (-b - math.sqrt(d)) / (2 * a)
```

```
print(f"{e:.2f}")
print(f"{h:.2f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
1.00
-3.00
```

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
0.33
-1.00
```

Compilation Status: Passed

Execution Time:

0.015s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Complex Roots

Compilation Status: Failed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-2.20
8.20

Compilation Status: Failed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-2.00
-3.00

Compilation Status: Passed

Execution Time:

0.014s

10. Problem Statement:Let "A" be a string. Remove all the

whitespaces and find it's length.Input Description:A string is provi as an input

Output Description:Remove all the whitespaces and then print the length of the remaining string.

Sample Input:Lorem Ipsum

Sample Output:10

Explanation:Lorem Ipsum becomes LoremIpsum after removing the whitespaces and hence the length of this string is equal to 10.

Input Description:

A string is provide as an input

Output Description:

Remove all the whitespaces and then print the length of the remaining string.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
vp = input()
pv = vp.replace(" ","")
print(len(pv))
```


Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7

Compilation Status: Passed

Execution Time:

0.013s

11. Problem Statement:You are provided with a number, "N". Find its factorial.

Input Description:A positive integer is provided as an input.

Output Description:Print the factorial of the integer.

Explanation:2! = 2*1 = 2

Sample Input:2

Sample Output:2

Input Description:

A positive integer is provided as an input.

Output Description:

Print the factorial of the integer.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = int(input())

vp = 1
if(v>0):
for i in range(1,v+1):
vp*=i
print(vp)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1

Compilation Status: Passed

Execution Time:

0.014s

12. Problem Statement:Print the First 3 multiples of the given number "N". (N is a positive integer) Note: print the characters with a single space between them.

Input Description:A positive integer is provided to you as an input.

Output Description:Print the First 3 multiples of the number with single spaces between them as an output.

Sample Input:2

Sample Output:2 4 6

Explanation:The first 3 multiples of 2 are21 = 222 = 42*3 = 6printing them with single spaces gives:2 4 6

Input Description:

A positive integer is provided to you as an input.

Output Description:

Print the First 3 multiples of the number with single spaces between them as an output.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = int(input())

print(v,v*2,v*3)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 4 6

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 8 12

Compilation Status: Passed

Execution Time:

0.01s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0 0 0

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1 2 3

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10 20 30

Compilation Status: Passed

Execution Time:

0.014s

13. Problem Statement:You are given with a number A i.e. the temperature in Celcius. Write a program to convert this into Fahrenheit. Note: In case of decimal values, round-off to two decimal places.

Input Description:A number is provided in Celcius as the input of the program.

Output Description:The output shall be the temperature converted into Fahrenheit corresponding to the input value print up to two decimal places and round off if required.

Explanation:(X°C × 9/5) + 32 = 32°Fhere X is the input

Sample Input:12

Sample Output:53.60

Input Description:

A number is provided in Celcius as the input of the program.

Output Description:

The output shall be the temperature converted into Fahrenheit corresponding to the input value print up to two decimal places and round off if required.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v = float(input().strip())
vp = (v * 9/5) + 32

print(f"{vp:.2f}")


# if vp.is_integer():
#     print(int(vp))
# else:
#     print(f"{vp:.2f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32.00

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

69.80

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

23.00

Compilation Status: Passed

Execution Time:

0.01s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

46.40

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

212.00

Compilation Status: Passed

Execution Time:

0.014s

14. Problem Statement:You are provided with the radius of a circle "A". Find the length of its circumference. Note: In case the output is coming in decimal, roundoff to 2nd decimal place. In case the input is a negative number, print "Error".

Input Description:The Radius of a circle is provided as the input of the program.

Output Description:Calculate and print the Circumference of the circle corresponding to the input radius up to two decimal places.

Explanation:Circumference of a Circle = 2*(22/7)*r where 22/7 represents 'pie' and r represents the radius of the circle.

Sample Input:2

Sample Output:12.57

Input Description:

The Radius of a circle is provided as the input of the program.

Output Description:

Calculate and print the Circumference of the circle corresponding to the input radius up to two decimal places.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
import math

r = float(input().strip())
result = 2 * math.pi * r
result = round(result, 2)

if result < 0:
print("Error")
else:
print(f"{result:.2f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

12.57

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2.51

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

50.27

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

18.85

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Error

Compilation Status: Passed

Execution Time:

0.014s

15. Problem Statement:You will be provided with a number. Print the number of days in the month corresponding to that number. Note: In case the input is February, print 28 days. If the Input is not in valid range print "Error".

Input Description:The input is in the form of a number.

Output Description:Find the days in the month corresponding to the input number.Print Error if the input is not in a valid range.

Explanation:8 corresponds to august month.There are 31 days in the month of August.

Sample Input:8

Sample Output:31

Input Description:

The input is in the form of a number.

Output Description:

Find the days in the month corresponding to the input number.
Print Error if the input is not in a valid range.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
vp = int(input())

if vp == 1 or vp == 3 or vp == 5 or vp == 7 or vp == 8 or vp == 10 or vp == 12:
print(31)
elif vp == 4 or vp == 6 or vp == 9 or vp == 11:
print(30)
elif vp == 2:
print(28)
else:
print("Error")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Error

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

Error

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

28

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

31

Compilation Status: Passed

Execution Time:

0.01s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

30

Compilation Status: Passed

Execution Time:

0.015s

16. Problem Statement:You are provided with a number "N", Find the Nth term of the series: 1, 4, 9, 16, 25, 36, 49, 64, 81, ...(Print "Error" if N = negative value and 0 if N = 0).

Input Description:An integer N is provided to you as the input.

Output Description:Find the Nth term in the provided series.

Explanation:The Nth term is the series = NN1818 = 324

Sample Input:18

Sample Output:324

Input Description:

An integer N is provided to you as the input.

Output Description:

Find the Nth term in the provided series.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
vp = int(input())

if(vp==0):
print(0)
elif(vp<0):
print("Error")
else:
print(vp*vp)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

324

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

0

Compilation Status: Passed

Execution Time:

0.01s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

36

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

25

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

16

Compilation Status: Passed

Execution Time:

0.014s

17. Problem Statement:You are provided with two numbers. Find and print the smaller number.

Input Description:You are provided with two numbers as input.

Output Description:Print the small number out of the two numbers.

Sample Input:23 1

Sample Output:1

Explanation:1 < 23

Input Description:

You are provided with two numbers as input.

Output Description:

Print the small number out of the two numbers.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
v,p = map(int,input().split())

if(v<p):
print(v)
else:
print(p)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

32

Compilation Status: Passed

Execution Time:

0.01s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-23

Compilation Status: Passed

Execution Time:

0.015s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

-332

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2722

Compilation Status: Passed

Execution Time:

0.015s

18. Problem Statement:You are given with Principle amount($), Interest Rate(%) and Time (years) in that order. Find Simple Interes Print the output up to two decimal places (Round-off if necessary) (S.I. = PTR/100)

Input Description:Three values are given to you as the input. these values correspond to Principle amount, Interest Rate and Time in that particular order.

Output Description:Find the Simple interest and print it up to two decimal places. Round off if required.

Explanation:P = 1000 $T = 2 YearsR = 5 %S.I. = 100025/100 = 100.00

Sample Input:1000 2 5

Sample Output:100.00

Input Description:

Three values are given to you as the input. these values correspond to Principle amount, Interest Rate and Time in that particular order.

Output Description:

Find the Simple interest and print it up to two decimal places. Round off if required.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
P,T,R = map(float,input().split())
VP = (R*T*P)/100
print(f"{VP:.2f}")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

100.00

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

112.20

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

269.97

Compilation Status: Passed

Execution Time:

0.01s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7.80

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3140.00

Compilation Status: Passed

Execution Time:

0.014s

19. Problem Statement:Using the method of looping, write a program to print the table of 9 till N in the format as follows:(N is input by the user)

9 18 27...

Print NULL if 0 is input

Input Description:A positive integer is provided as an input.

Output Description:Print the table of nine with single space between the elements till the number that is input.

Sample Input:3

Sample Output:9 18 27

Explanation:91 = 992 = 189*3 = 27

Input Description:

A positive integer is provided as an input.

Output Description:

Print the table of nine with single space between the elements till the number that i input.

Completion Status: Completed

Concepts Included:

absolute beginner

Language Used: PYTHON 3

Source Code:

```
vp = int(input().strip())

if vp == 0:
print("NULL")
else:
result = [str(9 * i) for i in range(1, vp + 1)]
print(" ".join(result))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9 18 27

Compilation Status: Passed

Execution Time:

0.012s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

NULL

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9 18 27 36 45

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9 18 27 36 45 54 63 72 81

Compilation Status: Passed

Execution Time:

0.013s

20. Problem Statement:Write a code to get the input and print it 5 times.

Input Description:A single line contains an integer N.

Output Description:Output contains 5 lines with each line having the value N.

Explanation:The value N has been written 5 times.

Sample Input:4

Sample Output:44444

Input Description:

A single line contains an integer N.

Output Description:

Output contains 5 lines with each line having the value N.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
vp = input()
for i in range(5):
print(vp)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
5
5
5
5

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10
10
10
10
10

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

99
99
99
99
99

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

958
958
958
958
958

Compilation Status: Passed

Execution Time:

0.01s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1000
1000
1000

1000
1000

Compilation Status: Passed

Execution Time:

0.013s

21. Problem Statement:Write a code to get 2 integers A and N. Print the integer A, N times in separate line.

Input Description:First line contains an integer A.Second line contains an Integer N.

Output Description:Print the integer A, N times in a separate line.

Explanation:The integer A(2) is printed N(3) times.

Sample Input:2 3

Sample Output:222

Input Description:

First line contains an integer A.
Second line contains an Integer N.

Output Description:

Print the integer A, N times in a separate line.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
v,p = map(int,input().split())

for i in range(p):
print(v)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
5
5
5

Compilation Status: Passed

Execution Time:

0.009s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10
10
10
10
10

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
5
5
5
5
5

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

9
9
9
9
9
9
9
9
9
9

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3

Compilation Status: Passed

Execution Time:

0.014s

22. Problem Statement:Write a code to get an integer N and print values from 1 till N in a separate line.

Input Description:A single line contains an integer N.

Output Description:Print the values from 1 to N in a separate line.

Sample Input:5

Sample Output:12345

Explanation:The values from 1 upto N is printed.

Input Description:

A single line contains an integer N.

Output Description:

Print the values from 1 to N in a separate line.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
vp = int(input())

for i in range(vp):
print(i+1)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43

98
99
100

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6
7
8
9
10

Compilation Status: Passed

Execution Time:

0.015s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5

6
7
8
9

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1
2
3
4
5
6
7
8
9
10
11

12
13
14
15

Compilation Status: Passed

Execution Time:

0.014s

23. Problem Statement:Write a code to get an integer N and print the even values from 1 till N in a separate line.

Input Description:A single line contains an integer N.

Output Description:Print the even values from 1 to N in a separate line.

Explanation:The even values from 1 upto N is printed.

Sample Input:6

Sample Output:246

Input Description:

A single line contains an integer N.

Output Description:

Print the even values from 1 to N in a separate line.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
vp = int(input())

for i in range(1,vp+1):
if(i%2==0):
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80

82
84
86
88
90
92
94
96
98
100

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
50

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8
10

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2

Compilation Status: Passed

Execution Time:

0.015s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2
4
6
8

Compilation Status: Passed

Execution Time:

0.014s

24. Problem Statement:Write a code to get an integer N and print the values from N to 1.

Input Description:A single line contains an integer N.

Output Description:Print the values from N to 1 in a separate line.

Explanation:The values from N upto 1 is printed.

Sample Input:10

Sample Output:10987654321

Input Description:

A single line contains an integer N.

Output Description:

Print the values from N to 1 in a separate line.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
vp = int(input())

for i in range(vp,0,-1):
print(i)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

```
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
79
78
77
76
75
74
73
72
71
70
69
68
67
66
```

11
10
9
8
7
6
5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15
14

13
12
11
10
9
8
7
6
5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3
2
1

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

8
7

6
5
4
3
2
1

Compilation Status: Passed

Execution Time:

0.013s

25. Problem Statement:Write a code to get an integer N and print the sum of values from 1 to N.

Input Description:A single line contains an integer N.

Output Description:Print the sum of values from 1 to N.

Explanation:The sum of values from 1-10 is 55.

Sample Input:10

Sample Output:55

Input Description:

A single line contains an integer N.

Output Description:

Print the sum of values from 1 to N.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
v = int(input())
vp = 0

for i in range(1,v+1):
```

vp+=i

print(vp)

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5050

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

1225

Compilation Status: Passed

Execution Time:

0.01s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

500500

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

406

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4005

Compilation Status: Passed

Execution Time:

0.014s

26. Problem Statement:Write a code to get an integer N and print the digits of the integer.

Input Description:A single line contains an integer N.

Output Description:Print the digits of the integer in a single line separated by space,

Explanation:The digits are splitted and displayed.

Sample Input:348

Sample Output:3 4 8

Input Description:

A single line contains an integer N.

Output Description:

Print the digits of the integer in a single line separated by space,

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
vp = input().strip()

print(" ".join(vp))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5 4 5 6 3 5 6

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 3 4 6

Compilation Status: Passed

Execution Time:

0.013s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

7 8 6 9 7

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

3 4 5

Compilation Status: Passed

Execution Time:

0.013s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

6 5 4 3 4 5 6 7 8 8 6 5 4 3 4 5 6 7

Compilation Status: Passed

Execution Time:

0.013s

27. Problem Statement:Write a code get an integer number as input and print the sum of the digits.

Input Description:A single line containing an integer.

Output Description:Print the sum of the digits of the integer.

Explanation:1+2+4=7

Sample Input:124

Sample Output:7

Input Description:

A single line containing an integer.

Output Description:

Print the sum of the digits of the integer.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
v = input()
vp = 0

for i in v:
vp+=int(i)
print(vp)
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

45

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

49

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

24

Compilation Status: Passed

Execution Time:

0.01s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

33

Compilation Status: Passed

Execution Time:

0.015s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

67

Compilation Status: Passed

Execution Time:

0.013s

28. Problem Statement:Write a code get an integer number as inp and print the odd and even digits of the number separately.

Input Description:A single line containing an integer.

Output Description:Print the even and odd integers of the integer in a separate line.

Sample Input:1234

Sample Output:2 41 3

Explanation:4 and 2 are even, 3 and 1 are odd.

Input Description:

A single line containing an integer.

Output Description:

Print the even and odd integers of the integer in a separate line.

Completion Status: Completed

Concepts Included:

basics

absolute beginner

Looping

Language Used: PYTHON 3

Source Code:

```
v = input().strip()
even_digits = []
odd_digits = []

for i in v:
if int(i) % 2 == 0:
even_digits.append(i)
else:
odd_digits.append(i)

even_digits.sort()
odd_digits.sort()
print(" ".join(even_digits))
print(" ".join(odd_digits))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 2 4
3 3 3

Compilation Status: Passed

Execution Time:

0.01s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

2 2 2 4
3 3 5 5 5

Compilation Status: Passed

Execution Time:

0.01s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 6 6 8

1 1 7 7 9 9

Compilation Status: Passed

Execution Time:

0.013s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 4 6
3 5

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

4 6
5 5 7

Compilation Status: Passed

Execution Time:

0.014s

29. Problem Statement:Write a program to get a string as input and reverse the string without using temporary variable.

Input Description:A single line containing a string.

Output Description:Print the reversed string.

Explanation:The string is reversed.

Sample Input:GUVI

Sample Output:IVUG

Input Description:

A single line containing a string.

Output Description:

Print the reversed string.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

bit manipulation

Looping

Language Used: PYTHON 3

Source Code:

```
v = input()

for i in range(len(v)-1,-1,-1):
print(v[i],end="")
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

elgooG

Compilation Status: Passed

Execution Time:

0.013s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

koobecaf

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

margatsni

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

rettiwt

Compilation Status: Passed

Execution Time:

0.014s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

ppastahw

Compilation Status: Passed

Execution Time:

0.014s

30. Problem Statement:Write a code to get 2 integers as input and find the HCF of the 2 integer without using recursion or Euclidean algorithm.

Input Description:A single line containing 2 integers separated by space.

Output Description:Print the HCF of the integers.

Explanation:The HCF of 2 and 3 is 1 as they are prime numbers.

Sample Input:2 3

Sample Output:1

Input Description:

A single line containing 2 integers separated by space.

Output Description:

Print the HCF of the integers.

Completion Status: Completed

Concepts Included:

absolute beginner

basics

Looping

Language Used: PYTHON 3

Source Code:

```
import math

v,p = map(int,input().split())
print(math.gcd(v,p))
```

Compilation Details:

TestCase1:

Input:

< hidden >

Expected Output:

< hidden >

Output:

19

Compilation Status: Passed

Execution Time:

0.014s

TestCase2:

Input:

< hidden >

Expected Output:

< hidden >

Output:

15

Compilation Status: Passed

Execution Time:

0.014s

TestCase3:

Input:

< hidden >

Expected Output:

< hidden >

Output:

10

Compilation Status: Passed

Execution Time:

0.014s

TestCase4:

Input:

< hidden >

Expected Output:

< hidden >

Output:

30

Compilation Status: Passed

Execution Time:

0.01s

TestCase5:

Input:

< hidden >

Expected Output:

< hidden >

Output:

5

Compilation Status: Passed

Execution Time:

0.014s