Automobileshop

Problem | Submissions | Leaderboard | Discussions

The Caron in the automobile industry has given a task to calculate the volume of sphere using the formula (V=4πr^3/3) , area of a sphere using the formulas (A=4πr^2),and also the mass of air in the wheel using formula PV=0.37m(t+460) , to do the task he needs to read the radius , mass of air, temperature, degrees Fahrenheit R , M , T values from the user , the data type for R,M,T may be of any form but it should return the values ranging from 0 to 2 decimal values .The tire contains 2 cubic feet of air. Assume that the pressure is 32 psi at room temperature. Help him by writing a code to return the resultant values.

Input Format

R,M,T, - Any Int or Float values

Constraints

0>R<100||100.00 0>M<100||100.00 0>T<100||100.00

Output Format

Floating values with 2 decimal values

Sample Input 0

```
6
2
32
```

Sample Output 0

```
Enter the value for r,m,t:
The calculated Volume is:904.32
The calculated Area is:904.32
The calculated Mass of aur in wheel is:364.08
```

Sample Input 1

```
8
4
64
```

Sample Output 1

```
Enter the value for r,m,t:
The calculated Volume is:2143.57
The calculated Area is:2143.57
The calculated Mass of aur in wheel is:775.52
```

Contest ends in an hour

Submissions: 59
Max Score: 30
Difficulty: Medium

Rate This Challenge:

More

Current Buffer (saved locally, editable) Python 3

```
pi = 3.14
print("Enter the value for r,m,t:")
```

```python
r = int(input())
m = int(input())
t = int(input())

print(f"The calculated Volume is:{'%0.2f'% (pi*4*pow(r,3)/3)}")
print(f"The calculated Area is:{'%0.2f'% (pi*4*pow(r,3)/3)}")
print(f"The calculated Mass of aur in wheel is:{0.37*m*(t+460)}")

```

Line: 1 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

Testcase 0 ✔ | Testcase 1 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
6
2
32
```

Your Output (stdout)

```
Enter the value for r,m,t:
The calculated Volume is:904.32
The calculated Area is:904.32
The calculated Mass of aur in wheel is:364.08
```

Expected Output

```
Enter the value for r,m,t:
The calculated Volume is:904.32
The calculated Area is:904.32
The calculated Mass of aur in wheel is:364.08
```