

Python for undergraduate



Python Assignments

1) Write a python code that ask the user to enter his birth year and then print his age in years.

```
Please enter your birth year: 23  
You are 1997 Years Old
```



2) Write a python code to find Sum and Average of **N** Natural Numbers

```
Please Enter any Number: 50
The Sum of Natural Numbers from 1 to 50 = 1275
Average of Natural Numbers from 1 to 50 = 25.5
```



3) Python Program to Check Even or Odd

```
Enter 'q' for exit.  
Enter any number: 4  
4 is an even number.
```



Problems

4-

<https://www.hackerrank.com/challenges/whats-your-name/problem>

5-

<https://www.hackerrank.com/challenges/python-string-split-and-join/problem>

6- <https://www.hackerrank.com/challenges/swap-case/problem>

Hint: there is a built in function to help you



Problems

7- Implement a code that takes as an input ASCII code for some characters and combine them to form a string.

While True:

#here implement a code that does the specified function



8- Write a Python program which accepts the radius of a circle from the user and compute the area.

9- Write a Python program which accepts the user's first and last name and print them in reverse order with a space between them.



10- Write a Python program to print the following string in a specific format with one variable name.

name= 'Twinkle' (string)

the output:-

```
Twinkle, twinkle, little star,  
    How I wonder what you are!  
        Up above the world so high,  
        Like a diamond in the sky.  
Twinkle, twinkle, little star,  
    How I wonder what you are
```

