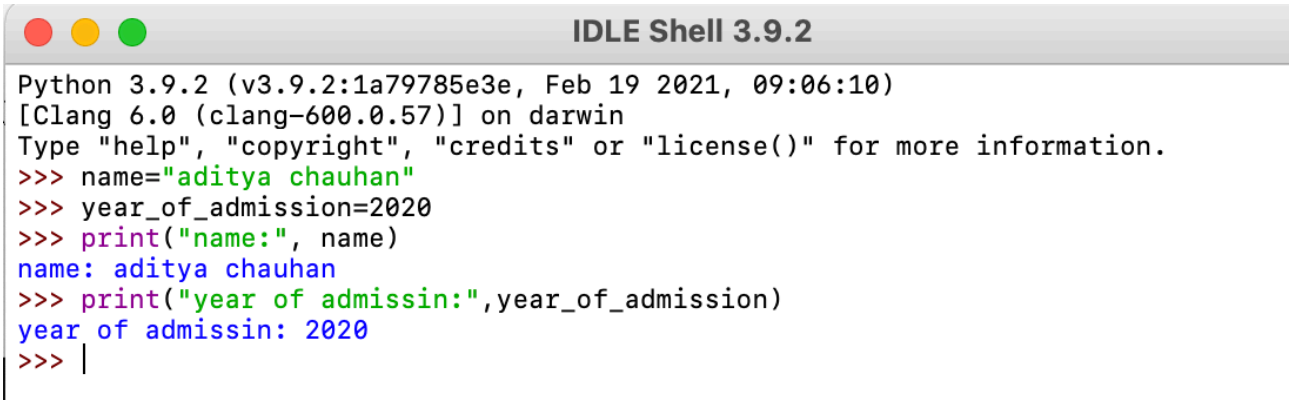
1.) Write a code that prints your full name and your B.Tech admission year as separate strings.



2.) Python program to calculate the area of a triangle.

```
>>> base=10
>>> height=20
>>> print("base:",base)
base: 10
>>> print("height:",height)
height: 20
>>> area=0.5*base*height
>>> print("area of tringle:",area)
area of tringle: 100.0
>>>
```

3.) Write a program that asks names of your two friends; store the names in variables friend1 and friend2; print “python program is scheduled for next week”.

```
Python 3.9.2 (v3.9.2:1a79785e3e, Feb 19 2021, 09:06:10)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>> friend1=input("enter name of friend1:")
enter name of friend1:vsp
>>> friend2=input("enter name of friend2:")
enter name of friend2:daksh
>>> print("friend1:",friend1)
friend1: vsp
>>> print("friend2:",friend2)
friend2: daksh
>>> print("pyhton program is scheduled for next week.")
pyhton program is scheduled for next week.
>>>
```

4.) Write a python program to find GCD of two numbers.

```
Python 3.9.2 (v3.9.2:1a79785e3e, Feb 19 2021, 09:06:10)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>> import math
>>> num_1=int(input("enter 1st value:"))
enter 1st value:60
>>> num_2=int(input("enter 2nd value:"))
enter 2nd value:80
>>> print("num1:",num_1)
num1: 60
>>> print("num2:",num_2)
num2: 80
>>> print("GCD:",math.gcd(num_1,num_2))
GCD: 20
>>>
```

5.) Python program for simple interest.

```
Python 3.9.2 (v3.9.2:1a79785e3e, Feb 19 2021, 09:06:10)
[Clang 6.0 (clang-600.0.57)] on darwin
Type "help", "copyright", "credits" or "license()" for more information.
>>> p=int(input("enter principal amt:"))
enter principal amt:20000
>>>
>>> r=float(input("enter rate of interest:"))
enter rate of interest:3
>>> t=float(input("enter time:"))
enter time:1
>>> print("principal amt:",p)
principal amt: 20000
>>> print("rate:",r)
rate: 3.0
>>> print("time:",t)
time: 1.0
>>> si=(p*r*t)/100
>>> print("simple interest:",si)
simple interest: 600.0
>>>
```

6.) Write a python program to find exponentiation of a number.

```
>>> base=int(input("enter base:"))
enter base:5
>>> exp=int(input("enter power:"))
enter power:6
>>> print("base:",base)
base: 5
>>> print("power:",exp)
power: 6
\
>>> power=base**exp
>>> print("exponent:",power)
exponent: 15625
>>>
```