API Response

Here  
 is  
 my  
 attempt  
 at  
 the  
 reflection  
 assignment  
:  
```  
python  
#  
 What  
 did  
 you  
 learn  
 from  
 the  
 experience  
?  
print  
("  
I  
 learned  
 the  
 basics  
 of  
 Python  
 programming  
 including  
 variables  
,  
 data  
 types  
,  
 condition  
als  
,  
 loops  
,  
 functions  
,  
 file  
 I  
/  
O  
,  
 exceptions  
,  
 O  
OP  
,  
 etc  
.  
 The  
 assignments  
 gave  
 me  
 hands  
-  
on  
 practice  
 with  
 these  
 core  
 concepts  
.")  
#  
 How  
 did  
 the  
 assignment  
 relate  
 to  
 your  
 personal  
 or  
 professional  
 goals  
?  
 How  
 would  
 you  
 apply  
 what  
 you  
 learned  
?  
print  
("  
The  
 assignments  
 related  
 to  
 my  
 goal  
 of  
 becoming  
 a  
 programmer  
.  
 I  
 plan  
 to  
 apply  
 the  
 Python  
 skills  
 I  
 learned  
 to  
 build  
 projects  
 and  
 advance  
 my  
 career  
.")  
   
#  
 Did  
 the  
 assignments  
 challenge  
 you  
?  
print  
("  
Yes  
,  
 some  
 of  
 the  
 assignments  
 were  
 challenging  
 at  
 first  
,  
 like  
 O  
OP  
 and  
 exceptions  
 handling  
.  
 But  
 over  
coming  
 those  
 challenges  
 helped  
 me  
 grow  
 as  
 a  
 programmer  
.")  
#  
 What  
 is  
 Python  
,  
 and  
 what  
 are  
 its  
 key  
 features  
?  
print  
("  
Python  
 is  
 a  
 general  
-  
purpose  
,  
 interpreted  
 programming  
 language  
 known  
 for  
 its  
 simplicity  
,  
 read  
ability  
 and  
 large  
 standard  
 library  
.  
 Key  
 features  
 include  
 dynamic  
 typing  
,  
 automatic  
 memory  
 management  
 and  
 extensive  
 support  
 for  
 modules  
 and  
 objects  
.")  
#  
 What  
 is  
 the  
 difference  
 between  
 a  
 local  
 variable  
 and  
 a  
 global  
 variable  
 in  
 Python  
?  
print  
("  
A  
 local  
 variable  
 only  
 exists  
 within  
 the  
 scope  
 it  
 is  
 declared  
,  
 like  
 inside  
 a  
 function  
.  
 A  
 global  
 variable  
 exists  
 throughout  
 the  
 entire  
 program  
 and  
 can  
 be  
 accessed  
 globally  
.")  
#  
 Decl  
aring  
 three  
 variables  
 using  
 my  
 name  
first  
\_  
name  
 =  
 "  
John  
"  
   
last  
\_  
name  
 =  
 "  
D  
oe  
"  
age  
 =  
 30  
#  
 Define  
 three  
 Python  
 data  
 types  
print  
("  
Three  
 Python  
 data  
 types  
:  
 \  
n  
1  
.  
 int  
 (  
for  
 integers  
)  
 \  
n  
2  
.  
 str  
 (  
for  
 strings  
)  
 \  
n  
3  
.  
 list  
 (  
for  
 lists  
)")  
#  
 Conditional  
 statement  
 using  
 something  
 personal  
home  
town  
 =  
 "  
Chicago  
"  
if  
 hometown  
 ==  
 "  
Chicago  
":  
   
 print  
("  
My  
 hometown  
 is  
 Chicago  
!")  
else  
:  
   
 print  
("  
I  
'm  
 not  
 from  
 Chicago  
.")  
#  
 Examples  
 of  
 lists  
,  
 tuples  
,  
 and  
 dictionaries  
fr  
uits  
\_  
list  
 =  
 ["  
apple  
",  
 "  
banana  
",  
 "  
cherry  
"]  
 #  
 list  
colors  
\_  
tuple  
 =  
 ("  
red  
",  
 "  
green  
",  
 "  
blue  
")  
 #  
 tuple  
   
person  
\_  
dict  
 =  
 {"  
name  
":  
 "  
John  
",  
 "  
age  
":  
 30  
}  
 #  
 dictionary  
print  
("  
Lists  
 are  
 mutable  
,  
 tuples  
 are  
 immutable  
,  
 and  
 dicts  
 store  
 key  
-  
value  
 pairs  
.")  
#  
 Function  
 example  
   
def  
 my  
\_  
name  
():  
   
 print  
("  
My  
 name  
 is  
 John  
")  
my  
\_  
name  
()