In [2]:
```
#1.Write a python program to convert a string to lower case.

course="Datascience In INNOMATICS"
course.lower()
```

Out[2]:
```
'datascience in innomatics'
```

In [31]:
```
#2.write a python program to convert only odd indexed characters to lower case
#ex:PYTHON
#ex:PyThOn
#   012345
x=input()
b=0
new=""
for y in x:
    b=b+1
    if b%2!=0:
        new=new+y.upper()
    else:
        new=new+y.lower()
print(new)
```

```
python
PyThOn
```

In [54]:
```
#3. write a python program to convert only even indexed characters to lower case
#ex: PYTHON
#output:pYtHoN
x=input()
b=0
new=""
for y in x:
    b=b+1
    if b%2==0:
        new=new+y.upper()
    else:
        new=new+y.lower()
print(new)
```

```
PYTHON
pYtHoN
```

In [55]:
```
#4.Write a python program to convert only odd
#indexed characters to upper case
#Ex:- python
#Output: - pYtHoN
var="PYTHON"
var1=" "
for x in range(len(x)):
    if x%2==0:
        var1=var1+var[x].lower()
    else:
        var1=var1+var[x].upper()
print(var1)
```

```
 pYtHoN
```

In [58]:
```
#5.Write a python program to convert only even
#indexed characters to upper case
#Ex:- python
#Output: - PyThOn
var="PYTHON"
var1=" "
for x in range(len(var)):
    if x%2==0:
        var1=var1+var[x].upper()
    else:
        var1=var1+var[x].lower()
print(var1)
```

```
 PyThOn
```

In [1]:
```
#6.Write a python program where you have different variable which contains your r
#sex,age, phone no ,fathers name and mothers name.And by using this variable
#create a variable named bio-data where you will use all this variable.
#Ex:-print(bio-data)
#Output:- My name is …., My age is ….,My
#phone-no is ….,my fathers name is …,and my
#mothers name is……
x1=input("type a my name")
x2=float(input("type your age"))
x3=int(input("type mobile number"))
x4=input("type father name")
x5=input("type mother name")
bio_data=("My name is {},My age is {},My phone number is {},My fathers name is {}
bio_data
```

```
type a my nameDineshreddy
type your age23
type mobile number9182164584
type father nameVenkateshwarreddy
type mother nameChitra
```

Out[1]:
```
'My name is Dineshreddy,My age is 23.0,My phone number is 9182164584,My fathers
name is Venkateshwarreddy,and My mothers name is Chitra'
```

In [2]:
```
#7.Write a python program to count how many times “@” occurred
python_program="""dinesh@kumar@reddy@, once@ upon time@ there were drageons @besi
                  I get scare @onthose days."""
python_program.count("@")
```

Out[2]: 7

In [4]:
```
#8.Write a python program to get only names from the string
#“name1.@gmail.com,name2.@gmail.com,name3.@gmail.com”
#Output-name1,name2,name3
x="name1.@gmail.com,name2.@gmail.com,name3.@gmail.com"
#x.replace(".@gmail.com","")
y=x.split(".@gmail.com")
"".join(y)
```

Out[4]: 'name1,name2,name3'

In [30]:
```
#9.Given a string of odd length greater that 9, return a new string made of the m
#characters of a given String
#Ex:- “mynameissan
#Output:- “mei”
str1="mynameissan"
print(str1[len(str1)//2-1]+str1[len(str1)//2:len(str1)//2+2])
```

```
mei
```

In [5]:
```
#10. Write a python program to insert a 2 string in the middle of 1 string
#Ex:-Str1=”myn”
# Str2=”sa”
#Output:-“msayn”
s1="myn"
s2="sa"
s1[0]+s2[0:2]+s1[1:3]
```

Out[5]: 'msayn'

In [24]:
```
#11. Write a program to remove vowels from the entire alphabets
#Ex:- “abcdefghijklmnopqrstuvwxyz”
#Output:- “bcdfghjklmnpqrstvwxyz”
x1="abcdefghijklmnopqrstuvwxyz"
x2=x1.split()
x3=["a","e","i","o","u"]
x4=[]
for x in x1:
    if x not in x3:
        x4.append(x)
#print(x4)
"".join(x4)
```

Out[24]: 'bcdfghjklmnpqrstvwxyz'