

**1. Write a python program to convert a string to lower case**

```
In [2]: str="INNOMATICS"
updated_str=str.lower()
updated_str
```

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

**2. Write a python program to convert only odd indexed characters to lower case**

```
In [43]: a="NHEHA CHATURVEDI"
b= ""
for i in range(len(a)):
    if i % 2==0:
        b= b + a[i].upper()
    else:
        b = b + a[i].lower()

# printing result
print( b)
```

```
NhEhA ChAtUrVeDi
```

**3. Write a python program to convert only even indexed characters to lower case**

```
In [113]: a="NHEHA CHATURVEDI"
b= ""
for i in range(len(a)):
    if i % 2!=0:
        b= b + a[i].upper()
    else:
        b = b + a[i].lower()

# printing result
print( b)
```

```
nHeHa cHaTuRvEdI
```

**4. Write a python program to convert only odd indexed characters to upper case**

```
In [44]: a="NHEHA CHATURVEDI"
b= ""
for i in range(len(a)):
    if i % 2==0:
        b= b + a[i].lower()
    else:
        b = b + a[i].upper()

# printing result
print( b)
```

```
nHeHa cHaTuRvEdI
```

**5. Write a python program to convert only even indexed characters to upper case**

```
In [45]: a="NHEHA CHATURVEDI"
b= ""
for i in range(len(a)):
    if i % 2!=0:
        b= b + a[i].lower()
    else:
        b = b + a[i].upper()

# printing result
print( b)
```

```
NhEhA ChAtUrVeDi
```

**6. Write a python program where you have different variable which contains your name, gender, age, phone number, father's name and mother's name. And by using this variable create a variable named bio-data where you will use all this variable**

```
In [54]: a="Nheha"
b="Female"
c=22
d=996344852
e="Sanjeeva Reddy"
f="Hema Latha"

bio_data=print("My name is {}, My age is {},My phone-no is {},my father's name is {} ,and my mother's name is {}".format(a,c,d,e,f))
```

My name is Nheha, My age is 22,My phone-no is 996344852,my father's name is Sanjeeva Reddy ,and my mother's name is Hema Latha

#### 7. Write a python program to count how many times "@" occurred

```
In [110]: x="Nheha@Chaturvedi@Innomatics"
print(x)
x.count('@')
```

Nheha@Chaturvedi@Innomatics

Out[110]: 2

#### 8. Write a python program to get only names from the string

```
In [84]: s="Nheha@gmail.com,john@gmail.com,arya@gmail.com"
s.replace("@gmail.com", " ")
```

Out[84]: 'Nheha ,john ,arya '

#### 9. Write a program to remove vowels from the entire alphabets

```
In [94]: alphabet='abcdefghijklmnopqrstuvwxyz'
b='a,e,i,o,u'
x=""
for i in alphabet:
    if i not in b:
        x=x+b
    print(i,end=" ")
```

b c d f g h j k l m n p q r s t v w x y z

#### 10. Find all occurrences of a substring in a given string by ignoring the case

```
In [109]: a = "Welcome to Innomatics. innomatics awesome, isn't it?"
x=a.casefold()
b="innomatics"
c=x.count(b)
c
```

Out[109]: 2