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In [1]: #1. Write a python program to convert a string to lower case
x=""
for y in "ABCD":
    x=x+y
    x=x.lower()
print(x)
```

abcd

```
In [1]: #2. Write a python program to convert only odd indexed characters to lower case Ex:- PYTHON Output: - PyThOn
a=input("type a capital word to convert odd index letters to lower case")
y=list(a)
b=""
for x in range(0,len(a)):
    if x%2==0:
        b+=str(a[x])
    else:
        b+=str(a[x]).lower()
print(b)
```

type a capital word to convert odd index letters to lower casePYTHON
PyThOn

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In [1]: #3. Write a python program to convert only even indexed characters to Lower case Ex:- PYTHON Output: - pYtHoN
a=input("type a word to convert even index letters to lower case")
y=list(a)
b=""
for x in range(0,len(a)):
    if x%2==0:
        b+=str(a[x]).lower()
    else:
        b+=str(a[x])
print(b)
```

type a word to convert even index letters to lower casePYTHON
pYtHoN

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In [2]: #4. Write a python program to convert only odd indexed characters to upper case Ex:- python Output: - pYtHoN
a=input("type a word to convert odd index letters to upper case")
y=list(a)
b=""
for x in range(0,len(a)):
    if x%2==0:
        b+=str(a[x])
    else:
        b+=str(a[x]).upper()
print(b)
```

type a word to convert odd index letters to upper casepython
pYtHoN

```
In [3]: #5. Write a python program to convert only even indexed characters to upper case Ex:- python Output: - PyThOn
a=input("type a word to convert even index letters to upper case")
y=list(a)
b=""
for x in range(0,len(a)):
    if x%2==0:
        b+=str(a[x]).upper()
    else:
        b+=str(a[x])
print(b)
```

type a word to convert even index letters to upper casepython
PyThOn

In [1]: #6. Write a python program where you have different variable which contains your name ,sex,age, phone no ,fathers name

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name=input("type your name:")
gender=input("type your gender:")
age=int(input("type your age"))
father_name=str(input("type your father name:"))
mother_name=str(input("type your mother name:"))
phonenummer=int(input("type your phone number:"))

bio_data= " my name is {}, my gender is {}, my age is {}, my father_name is {}, my mother_name is {}, my phonenummer is {}"
print(bio_data.format(name,gender,age,father_name,mother_name,phonenummer))

```

```

type your name:Sai Ram Teja Varma
type your gender:Male
type your age:24
type your father name:Hari babu
type your mother name:sujatha
type your phone number:9533580087
my name isSai Ram Teja Varma, my gender is Male, my age is 24, my father_name is Hari babu, my mother_name is sujatha, my phonenummer is 9533580087

```

In [2]: #7. Write a python program to count how many times "@" occurred

```

var1="s@ir@mtej@v@rm@"
var1.count("@")

```

Out[2]: 5

In [3]: #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"
y=x.split("@gmail.com")
a=""
for x in range(0,3):
    a+=y[x]
print(a)

```

name1,name2,name3

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"

```

x=input("enter the string ")
y=input("Enetr a string of 2 characters to insert in the middle")
z=len(x)//2
print(x[:z]+y+x[z:])

```

```

enter the string myn
Enetr a string of 2 characters to insert in the middlesa
msayn

```

In [6]: #11. Write a program to remove vowels from the entire alphabets Ex:- "abcdefghijklmnopqrstuvwxyz" Output:- "bcdfghjklmnpqrstvwxyz"

```

u='abcdefghijklmnopqrstuvwxyz'
v=''
for x in u:
    if x=='a' or x=='e' or x=='i' or x=='o' or x=='u':
        v=v+' '
    else:
        v=v+x
v

```

Out[6]: 'bcdfghjklmnpqrstvwxyz'

In []: