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Brief Overview

Topic - E-mail Slicer

Create a E-mail slicer using Python, we need to take multiple email address as an input from the user and slice it to produce username and the domain associated with it. The email must be divided into two strings by using "@" as the operator

Our program takes input for the email from the user and if the input is found to be valid the email is passed on to the second function ,which displays the username and domain separately and further it allows the user to change there domain as per there requirements .

Screen Shot-

```
print("Welcome to E-mail slicer")
print("*****")
print("We check for E-mail validation and allow user to change there domain if they want")
print("Enter 0 anytime to exit the program ")
def email_check(a):
    i=0
    l=0
    m=""
    if a == "0":
        print("Thank you using this program")
        exit()
    else:
        f=a.split("@")
        f=f[0:-1]
        for i in range(len(f)):
            m+=f[i]
            if "?" in m:
                print("Entered email is invalid")
            elif "!" in m:
                print("Entered email is invalid")
            elif "@" in m:
                print("Entered email is invalid")
            elif "#" in m:
                print("Entered email is invalid")
            elif "%" in m:
                print("Entered email is invalid")
```

```
            elif "$" in m:
                print("Entered email is invalid")
            elif "^" in m:
                print("Entered email is invalid")
            elif "&" in m:
                print("Entered email is invalid")
            elif "*" in m:
                print("Entered email is invalid")
            elif "/" in m:
                print("Entered email is invalid")
            elif "," in m:
                print("Entered email is invalid")
        else:
            k=0
            while i < len(a):
                if a[i] == "@":
                    k = i
                    i += 1
            if len(a[0:k])>2:
                l1=["gmail.com","yahoo.com","hotmail.com","facebook.com","amazon.com","reddit.com","apple.com","wikipedia.org","twitter.com","paypal.com","outlook.com","m
```

```

elif "." in a[k+1:]:
    print("New domain found.....","\n","Do you want to add this domain in the domain list?")
    j=str(input("Enter your choice -> "))
    if j=="Y" or j=="y":
        l1.append(a[k+1:])
        print("The new domain is successfully added")
    else:
        print("Entered email is invalid")
else:
    print("Entered email is invalid")

```

```

def add_changer(a):
    x=str(input("Do you want to change the address of the email (Example: .aus .uk etc) {Y/N}: "))
    if x=="Y" or x=="y":
        i=0
        while i < len(a):
            if a[i] == "@":
                k = i
                i += 1
            g=a[0:k+1]
            y=str(input("What do you want to change your mail address to? "))
            g+=y
            print("Your new email is:"","\n",g)
        elif x=="0":
            print("Thank you using this program")
            exit()
        else:
            print("Email without changes:"","\n",a)

```

```

def email_domain_slice(a):
    x=0
    i=0
    b=len(a)
    if a == "0":
        print("Thank you using this program")
        exit()

    else:
        while i<b:
            if a[i]=="@":
                x=i
                i+=1
        print("\n","\n","Username for the entered email is:"","\n",a[0:x])
        print("Domain for the entered email is:"","\n",a[x+1:])

```

```

a=str(input("Please enter your email ID ->"))
print()
if a=="0":
    print("Thank you using this program")
    exit()
else:
    email_check(a)
    i=0
    k=0
    while i < len(a):
        if a[i] == "@":

```

```
        k = i
    i += 1
if len(a[0:k]) > 2:

    email_domain_slice(a)
    add_changer(a)

while True:
    s1=str(input("Do you want to continue?"))
    if s1=='Y'or s1=="y":
        b = str(input("Please enter your email ID ->"))
        email_check(b)
        while i < len(b):
            if b[i] == "@":
                k = i
                i += 1
            if len(a[0:k]) > 2:

                email_domain_slice(b)
                add_changer(b)

        else:
            print()
            print("Thank you using this program")
            break
```

Welcome to E-mail slicer

[illegible]

We check for E-mail validation and allow user to change there domain if they want

```
Enter 0 anytime to exit the program
```

Please enter your email ID ->sks28@gmail.com

Entered email is Valid

Username for the entered email is:

sks28

Domain for the entered email is:

gmail.com

Do you want to change the address of the email (Example: .aus .uk etc) {Y/N}: **Y**

What do you want to change your mail address to? *Yahoo.com*

Your new email is:

sks28@Yahoo.com

Do you want to continue?Y

Please enter your email ID ->shubham@us.in

```
New domain found.....
```

Do you want to add this domain in the domain list?

Enter your choice -> Y

The new domain is successfully added

Username for the entered email is:

shubham

Domain for the entered email is:

us.in

Do you want to change the address of the email (Example: .aus .uk etc) {Y/N}: Y

What do you want to change your mail address to? *.aus*

Your new email is:

shubham@.aus

Do you want to continue?Y

Please enter your email ID ->rahul@gmail.com

Entered email is Valid

```
Username for the entered email is:
```

Username for the entered email is:

rahul

Domain for the entered email is:

gmail.com

Do you want to change the address of the email (Example: .aus .uk etc) {Y/N}: **N**

Email without changes:

rahul@gmail.com

Do you want to continue?**N**

Thank you using this program