In [19]:
```python
def project1():
    import random
    import string as s
    upper=s.ascii_uppercase
    lower=s.ascii_lowercase
    number=s.digits
    l=[]
    l.extend(list(upper))
    l.extend(list(lower))
    l.extend(list(number))
    random.shuffle(l)
    user=input('enter user name:- ')
    print('hello user!!!')
    z=''.join(random.sample(l,k=4))
    print(f'your otp is :- {z}')
    while True:
        otp=input('enter your otp:- ')
        if otp==z:
            print('access granted')
            break
        else:
            print('access denied!!!!')
project1()
```

```
enter user name:- gaurav
hello user!!!
your otp is :- fXY0
enter your otp:- Fghjhj
access denied!!!!
enter your otp:- fXY0
access granted
```

In [ ]: