In [1]:
```python
import string as s
import random as r
def pass1():
    upper_=s.ascii_uppercase
    lower_=s.ascii_lowercase
    number_=s.digits
    special_char=s.punctuation
    while True:
        try:
            length=int(input('enter your password length:- '))
            break
        except:
            print('oops! that is not the valid number plz try agin')
    l=[]
    l.extend(list(upper_))
    l.extend(list(lower_))
    l.extend(list(number_))
    l.extend(list(special_char))
    #r.shuffle(l)
    #print("".join(l[0:length]))
    z=''.join(r.sample(l,length))
    print(f'your password is:- {z}')
```

In [2]:
```python
pass1()
```

```
enter your password length:- 5
your password is:- O\Z#v
```

In [ ]: