

```
import string
import random

if __name__ == "__main__":
    S1=string.ascii_lowercase
    print(S1)
    S2=string.ascii_uppercase
    print(S2)
    S3=string.digits
    print(S3)
    S4=string.punctuation
    print(S4)
    plen=int(input("Enter password length \n"))    #
    s=[]
    s.extend(list(S1))
    s.extend(list(S2))
    s.extend(list(S3))
    s.extend(list(S4))
    print(s)
    random.shuffle(s)
    print(s)
    print("Your password is: ")
    print("".join(random.sample(s,plen)))
    print("".join(s[0:plen]))
```