Q.1. a=input("Enter a string of length 3:")

```
    if len(a)==3:
        if a[-1::-3]!='ing':
                print(a+'ing')
        else:
                print(a+'ly')
```

Q.2. message="ABBBBCCCCCCCCAB"

```
count=1
srt=""
for i in range(len(message)-1):
    if(message[i]==message[i+1]):
       count+=1
    else:
       srt=srt+str(count)+message[i]
       int(count)
       count=1
if(len(message)==1):
   srt= str(count) +message[0]
elif(message[i]==message[i+1]):

   srt=srt+str(count)+message[i]
   int(count)
   count=1
else:
   srt=srt+str(count)+message[i+1]
   int(count)
   count=1
   print(srt)
```

Q.3. a=[301,'P',302, 'P' ,305, 'P' ,401, 'E' ,656, 'E']

```
b={"P":"Pediatrics","O":"Orthopedics","E":"ENT"}
p=o=e=0
```

```
for i in range(1,len(a),2):
    if a[i]=='P':
        p=p+1
    elif a[i]=='O':
        o=o+1
    elif a[i]=='E':
        e=e+1
if p>e and p>o:
    max=p
elif e>p and e>o:
    max=e
else:
    max=o
if max==p:
    s="Pediatrics"
elif max==e:
    s="ENT"
else:
    s="Orthopedics"
print(s)
```

Q.4.

Q5.

Q6.

Q.7.

```
nums = [3,4,5,8,0,3,8,5,0,3,1,5,2,3,4,2]
b = dict(map(lambda x  : (x, list(nums).count(x)), nums))
print(b)
```

Q.8.

Q.9.

Q.10.