TASK -5

Q1: write a program to reverse a given string

PROGRAM

```
# Q1: write a program to reverse a given string
text="LUMINAR TECHNOLAB"
print("orginal text is :- " ,text)
print("reversed string is :- " ,text[::-1])
```

OUTPUT

```
orginal text is :-  LUMINAR TECHNOLAB
reversed string is :-  BALONHCET RANIMUL
```

Q2: write a program in python to print the characters present at even index and odd index separately for the given string

PROGRAM

```
# Q2: write a program in python to print the characters present at even index and odd index
# separately for the given string
string="luminar"
even=[]
odd=[]
for i in string:
    if string.index(i)%2==0:
        even.append(i)
    else:
        odd.append(i)
print("even characters :- " ,even)
print("odd characters :- ",odd)
```

OUTPUT

```
even characters :-  ['l', 'm', 'n', 'r']
odd characters :-  ['u', 'i', 'a']
```

Q3: program to merge string alternately using python

example :

input:"major","general"

output: mgaejnoerral

PROGRAM

```python
# Q3: program to merge string alternately using python
# example :
# input:"major","general"
# output: mgaejnoerral
s1=input("enter string=")
s2=input("enter string=")
length=min(len(s1),len(s2))
result=""
for i in range (0,length):
    out=s1[i]+s2[i]
    result=result+out
if len(s1)>len(s2):
    rem=s1[length:]
else:
    rem=s2[length:]
result=result+rem
print(result)
```

OUTPUT

```
enter string=major
enter string=general
mgaejnoerral
```

Q4: program to sort characters of the strings, first symbol followed by digits

example:

input: a2b4c6

output: abc246

PROGRAM

```python
# Q4: program to sort characters of the strings, first symbol followed by digits
# example:
# input: a2b4c6
# output: abc246
string="a2b4c6"
print("orginal string :- " ,string)
alpha=[]
digit=[]
for t in string:
    if t.isalpha():
        alpha.append(t)
    else:
        digit.append(t)
result="".join(alpha+digit)
print("sorted string :- ",result)
```

OUTPUT

```
orginal string :-  a2b4c6
sorted string :-  abc246
```

Q5: program to find the number of occurrences of each vowel present in the given string

PROGRAM

```python
# Q5: program to find the number of occurrences of each vowel present in the given string
text="luminar technolab"
print(text)
vowels="a","e","i","o","u"
v_count=0
for t in text:
    if t in vowels:
        v_count+=1
print("vowels count :- " ,v_count)
```

OUTPUT

```
luminar technolab
vowels count :-  6
```