

TASK -5

Q1: write a program to reverse a given string

PROGRAM

```
1 # Q1: write a program to reverse a given string
2 text="LUMINAR TECHNO LAB"
3 print("original text is :- ",text)
4 print("reversed string is :- ",text[::-1])
```

OUTPUT

```
original text is :-  LUMINAR TECHNO LAB
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

```
1 # Q2: write a program in python to print the characters present at even index and odd index
2 # separately for the given string
3 string="luminar"
4 even=[]
5 odd=[]
6 for i in string:
7     if string.index(i)%2==0:
8         even.append(i)
9     else:
10        odd.append(i)
11 print("even characters :- ",even)
12 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**

```
1  # Q3: program to merge string alternately using python
2  # example :
3  # input:"major","general"
4  # output: mgaejnoerral
5  s1=input("enter string=")
6  s2=input("enter string=")
7  length=min(len(s1),len(s2))
8  result=""
9  for i in range (0,length):
10     out=s1[i]+s2[i]
11     result=result+out
12  if len(s1)>len(s2):
13     rem=s1[length:]
14  else:
15     rem=s2[length:]
16  result=result+rem
17  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

```
1  # Q4: program to sort characters of the strings, first symbol followed by digits
2  # example:
3  # input: a2b4c6
4  # output: abc246
5  string="a2b4c6"
6  print("original string :- ",string)
7  alpha=[]
8  digit=[]
9  for t in string:
10     if t.isalpha():
11         alpha.append(t)
12     else:
13         digit.append(t)
14  result="".join(alpha+digit)
15  print("sorted string :- ",result)
```

OUTPUT

```
original string :-  a2b4c6
sorted string :-   abc246
```

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

PROGRAM

```
1  # Q5: program to find the number of occurrences of each vowel present in the given string
2  text="anjitha anithra"
3  print(text)
4  wc={}
5  vowels="a","e","i","o","u"
6  v_count=0
7  for t in text:
8     if t in vowels:
9         v_count+=1
10  print("vowels count :- ",(v_count))
11  wc={t:text.count(t) for t in set(text)}
12  print(wc)
```

OUTPUT

```
anjitha anithra
vowels count :-  6
{'a': 4, 'i': 2, 'j': 1, 'n': 2, 'r': 1, 'h': 2, ' ': 1, 't': 2}
PS C:\Users\HP\Desktop\PYTHON FULLSTACK>
```

