

Write a function “PandamicSeason()” that takes a list and returns a string . Your input should be numbers having 1,2,3,4,5,6,7,8(zero and nine are not be included).Consider the following rules for returning the string.

1,2,3,4 = o,n,l,i, etc...

Add a dot (.) to the end.

Change case of the first letters in “Online” and “Classes”

Reverse the string

```
def PandamicSeason(a):
    s = ""
    diction = {1:'o',2:'n',3:'l',4:'i',5:'e',6:'C',7:'a',8:'s',}
    for x in a:
        s+=diction[x]
    print("String is ",s+".")
    print("Reversed String is ",s[::-1])
```

```
PandamicSeason([1,2,3,4,2,5,6,3,7,8,8,5,8])
```

```
String is OnlineClasses.
Reversed String is sessalCenilno
```

Consider the following list of tuples which represents the cost of a product, let’s say it is a laptop, and the list has brand name, additional number of features added to it, cost, and total tax on the product. [(‘Dell’, 5, 60,000, 4% of the cost), (‘Vivo’, 4, 57,000, 5% of the cost), (‘HP’, 4, 59,000, 6% of the cost), (‘Samsung’, 3, 45,000, 3% of the cost)]

Perform the following operations:

- a. Sort the list by increasing order of total price (cost + tax)
- b. Sort the list by decreasing order of cost (without tax) Note: conversion of list to tuple or tuple to list can be made wherever necessary
- c. Implement a function discount(), that takes Cost of a laptop and % of tax applied on the product. The function discount should compute and return the total cost. If the total cost is more than 60,000; then apply discount as 2% of total cost and display the cost estimated else return "No Discount applied."

```
lst = [('Dell', 5, 60000, 4), ('Vivo', 4, 57000, 5), ('HP', 4, 59000, 6), ('Samsung', 3, 45000, 7)]
```

```
#A
srt = lst.copy()
srt.sort(key = lambda x:x[2]+((x[3]/100)*x[2]))
print("A")
print(srt)
print()
```

```
#B
srt2 = lst.copy()
srt2.sort(key = lambda x:x[2])
print("B")
print(srt2)
print()
```

```
#C
def discount(a):
    total = a[2]+((a[3]/100)*a[2])
    if total>60000:
        total = total - (total*0.02)
        print("Estimated Value of",a[0] + " : ",total)
    else:
        print("No Discount applied")
```

```
else:
    print("No discount applied in ",a[0] + " .")

print("C")
for i in range(len(lst)):
    discount(lst[i])

A
[('Samsung', 3, 45000, 3), ('Vivo', 4, 57000, 5), ('Dell', 5, 60000, 4), ('HP', 4, 59000, 6)]

B
[('Samsung', 3, 45000, 3), ('Vivo', 4, 57000, 5), ('HP', 4, 59000, 6), ('Dell', 5, 60000, 4)]

C
Estimated Value of Dell : 61152.0
No discount applied in Vivo .
Estimated Value of HP : 61289.2
No discount applied in Samsung .
```

✓ 0s completed at 3:28 PM

