

ASSIGNMENT 1

Name: kandlagunta Lakshmi Mrudhula

Trainer name: Harshee Pitroda

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Question 1

Assignment 1

Q1) Lets say you own a restaurant, take an input of the food item that the customers have ordered and then you have to generate their order token ID. The order token ID contains of a number, a few letters and all tokens end with a special character '#'

Steps to generate the order token id.

- ① Find the length of the food item they ordered
- ② extract only the first 3 characters of the food
- ③ All order token ID ends with a special character '#'

Sample Input & Output

Dear customer what food item would you like to order from our restaurant? **sandwich**

The generated order token for you is: 8san# ← output

What will be the token if the food item is

- ① tea ② chole bhature
- ③ coffee ④ any food item of your own

Code:

```
item=input("Dear costumer what food item would u like to order  
from our restaurent: ")  
l=len(item)  
a=item[:3]  
b="#"  
id=str(l)+a+b  
print("The generated order token for u is:",id)
```

Sample Input and Output:

The generated order token for u is: 8san#

```
In [21]: #sample input is sandwich  
item=input("Dear costumer what food item would u like to order from our restaurent: ")  
l=len(item)  
a=item[:3]  
b="#"  
id=str(l)+a+b  
print("The generated order token for u is:",id)
```

Dear costumer what food item would u like to order from our restaurent: sandwich
The generated order token for u is: 8san#

Other Outputs:

```
In [17]: #taking "omlette" as input food item
item=input("Dear costumer what food item would u like to order from our restaurent: ")
l=len(item)
a=item[:3]
b="#"
id=str(l)+a+b
print("The generated order token for u is:",id)
```

Dear costumer what food item would u like to order from our restaurent: omlette
The generated order token for u is: 7oml#

```
In [18]: #taking "tea" as input food item
item=input("Dear costumer what food item would u like to order from our restaurent: ")
l=len(item)
a=item[:3]
b="#"
id=str(l)+a+b
print("The generated order token for u is:",id)
```

Dear costumer what food item would u like to order from our restaurent: tea
The generated order token for u is: 3tea#

```
In [19]: #taking "chole bhature" as input food item
item=input("Dear costumer what food item would u like to order from our restaurent: ")
l=len(item)
a=item[:3]
b="#"
id=str(l)+a+b
print("The generated order token for u is:",id)
```

Dear costumer what food item would u like to order from our restaurent: chole bhature
The generated order token for u is: 13cho#

```
In [20]: #taking "coffee" as input food item
item=input("Dear costumer what food item would u like to order from our restaurent: ")
l=len(item)
a=item[:3]
b="#"
id=str(l)+a+b
print("The generated order token for u is:",id)
```

Dear costumer what food item would u like to order from our restaurent: coffee
The generated order token for u is: 6cof#

Question 2

Assignment 1

Q2) You work at XYZ college and its the 'admission season'! You are one of the IT support at the XYZ college. You need to generate admission token ID for them based on the following things -

- ① their first name
- ② their 10th standard percentage (only in numbers)
- ③ their marks in maths, science & english subjects
- ④ Start & end all token ID with XYZ twice.

To generate the token ID follow these steps

- ① take input of their name & extract last 2 characters of their first name
- ② take input of their 10th % & extract only the last digit
- ③ take input of their marks for maths, science & english subject & extract only the first digit
- ④ this ID should start & end with 'XYZ' twice

Enter your name: Raashi

Enter your 10th Percentage: 81

Enter marks for maths subject: 74

Enter marks for science subject: 82

Enter marks for english subject: 75

Your token is: XYZXYZ hi1787XYZXYZ

Code

```
name=input("enter the name:")
a=name[-2:]
per=input("enter your 10th percentage:")
b=per[-1]
mat=input("enter marks for maths subject:")
c=mat[0]
sci=input("enter marks for science subject:")
d=sci[0]
eng=input("enter marks for english subject:")
e=eng[0]
college="XYZ"
token=college+college+a+str(b)+str(c)+str(d)+str(e)+college+college
print("your token is:",token)
```

Output:

```
In [8]: name=input("enter the name:")|
a=name[-2:]
per=input("enter your 10th percentage:")
b=per[-1]
mat=input("enter marks for maths subject:")
c=mat[0]
sci=input("enter marks for science subject:")
d=sci[0]
eng=input("enter marks for english subject:")
e=eng[0]
college="XYZ"
token=college+college+a+str(b)+str(c)+str(d)+str(e)+college+college
print("your token is:",token)
```

```
enter the name:mrudhula
enter your 10th percentage:98
enter marks for maths subject:90
enter marks for science subject:87
enter marks for english subject:65
your token is: XYZXYZla8986XYZXYZ
```

```
In [ ]:
```