

## Assignment 2

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### 1. WAP that takes a sentence as an input and convert the text in sentence to pig latin.

Pig-Latin takes the first letter of a word, puts it at the end, and appends ay. The only exception is if the first letter is a vowel, in which case we keep it as it is and append hay to the end.

```
1 def piglatin(s):
2     s=s.split(" ")
3     for i in range(len(s)):
4         if s[i].isalpha():
5             s[i] = s[i]+"ay" if s[i][0] in "AEIOUaeiou" else s[i][1:]+s[i][0].lower
6     s=" ".join(s).capitalize()
7     return s
8 if __name__=="__main__":
9     print (piglatin(input("Enter a sentence: ")))
```

```
Enter a sentence: This is an example sentence
Histay isay anay exampleay entencesay
```

### 2. WAP that takes a list as an input and returns another list without duplicate values.

```
1 def removedup(L):
2     return [L[i] for i in range (len(L)) if L[i] not in L[:i]]
3 def main():
4     L=[]
5     n=int(input("Enter length of array: "))
6     print("Enter array elements")
7     for i in range(n):
8         L.append(input())
9     print("Entered array:",L)
10    print("Updated array:",removedup(L))
11 if __name__=="__main__":
12    main()
```

```
Enter length of array: 4
Enter array elements
Hello
4
4
world
```

```
Entered array: ['Hello', '4', '4', 'world']  
Updated array: ['Hello', '4', 'world']
```

### ▼ 3. WAP that takes a list as an input and returns the reversed list

```
1 def reverselist(L):  
2     return [L[i] for i in range (-1,-len(L)-1,-1)]  
3 #Alternative for L.reverse()  
4 def main():  
5     L=[]  
6     n=int(input("Enter length of array: "))  
7     print("Enter array elements")  
8     for i in range(n):  
9         L.append(input())  
10    print("Entered array:",L)  
11    print("Updated array:",reverselist(L))  
12 if __name__=="__main__":  
13    main()
```

```
Enter length of array: 4  
Enter array elements  
12  
Python  
OS  
32  
Entered array: ['12', 'Python', 'OS', '32']  
Updated array: ['32', 'OS', 'Python', '12']
```