str = "I love java and python"

result=""

index=4

for i in range (len(str)):

if i!= index:

result+=str[i]

print(result)

1.

str = "I love java and python"  
result=""   
for i in str:  
 if i== str[4]:  
 pass  
 else:   
 result+=i   
print("input string : ", str)  
print("resultant string : ",result)

o/p

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

input string : I love java and python

resultant string : I loe jaa and python

Process finished with exit code 0

num = 20  
n = 1  
  
print("Numbers not divisible by 3 and 6")  
while n <= num:  
  
 if n % 2 != 0 and n % 3 != 0:  
 print(n)  
   
 n = n + 1

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

Numbers not divisible by 3 and 6

1

5

7

11

13

17

19

Process finished with exit code 0

4.

alpha = input("Input an alphabet: ")  
  
  
if alpha in ('a', 'e', 'i', 'o', 'u', 'A', 'E', 'I', 'O', 'U'):  
 print("%s is a vowel." % alpha)  
  
elif alpha == 'y' or alpha =='Y':  
 print("Y/y is an exception... it is sometimes treated as a vowel and sometimes an alphabet")  
  
else:  
 print("%s is a consonant." % alpha)

o/p

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

Input an alphabet: Y

Y/y is an exception... it is sometimes treated as a vowel and sometimes an alphabet

Process finished with exit code 0

o/p2

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

Input an alphabet: A

A is a vowel.

Process finished with exit code 0

o/p

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

Input an alphabet: c

c is a consonant.

Process finished with exit code 0

5.

month = 12

year=2023

if((month==2) and ((year%4==0)  or ((year%100==0) and (year%400==0)))) :

    print("Number of days is 29");

elif(month==2) :

    print("Number of days is 28");

elif(month==1 or month==3 or month==5 or month==7 or month==8 or month==10 or month==12) :

    print("Number of days is 31");

else :

    print("Number of days is 30");

o/p

C:\Users\admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\pythonProject\main.py

enter any month in no:2

enter year:2012

Number of days is 29

Process finished with exit code 0