

```
# Name - Sarthak Sanjay Sonpatki
```

```
a=int(input("Enter length of list : "))
```

```
l1=[]
```

```
l2=[]
```

```
L={}
```

```
for i in range(a):
```

```
    b=int(input("Enter the first list : "))
```

```
    l1.append(b)
```

```
    c=input("Enter the second list : ")
```

```
    l2.append(c)
```

```
for i in range(len(l1)):
```

```
    L[l1[i]]=l2[i]
```

```
print(f"The output Dictionary is: {L}")
```

```
print()
```

```
a1=input("Enter a string to check : ")
```

```
b1=[a1[i] for i in range(len(a1)) if a1[i].isalpha() ]
```

```
c1=[a1[i] for i in range(len(a1)) if a1[i].isdigit() ]
```

```
print("The number of alphabets are : ",len(b1))
```

```
print("The number of digits are : ",len(c1))
```

```
print()
```

```
def longest_word(a2):
```

```
    b2 = max(a2.split(), key=len)
```

```
    print(f"The Longest Word is {b2} and its length is {len(b2)}")
```

```
longest_word(a2=input("Enter a string to find the longest word : "))
```

```
print()
```

```
t=int(input("Enter the number of Iterations : "))
```

```
for i in range(1,t+1):
```

```
    for j in range(1,i + 1):
```

```
        print(i, end='')
```

```
    print()
```

```
print()
```

```
def prime(A):
```

```
    if A > 1:
```

```
        for i in range(2, A):
```

```
            if A%i!=0:
```

```
                return True
```

```
            else:
```

```
                return False
```

```
a3=int(input("Enter a number : "))
```

```
i=10
```

```
flag=0
```

```
if prime(a3):
```

```
    while True:
```

```
        if int((a3-(a3%i))/i)==0:
```

```
            break
```

```
        else:
            if prime(int((a3-(a3%i))/i)):
                flag+=1
            i=i*10
if flag!=0 :
    print(f"{a3} is a Russian Prime Number.")
elif flag==0 and int((a3-(a3%10))/10)==0 and prime(a3):
    print(f"{a3} is a Russian Prime Number.")
else:
    print(f"{a3} is not a Russian Prime Number.")
```