

#1

```
N=int(input("No of elements : "))
arr=[]
count=0
for i in range(N):
    arr.append(int(input()))
    count+=1
x=int(input("Enter the element to be checked : "))
if count>N//2:
    print(f"{x} is a majority element.")
else:
    print(f"{x} is not a majority element.")
```

#2

```
num=int(input())
array=[]
for x in range(num):
    array.append(int(input()))
sort=sorted(set(array))
if len(sort)<2:
    print("There is no second largest number.")
else:
    print(f"The second largest element is {sort[-2]}")
```

#3

```
phone_number=input()
To_replace=input()
replace_number=input()
modified=phone_number.replace(To_replace,replace_number)
print("Modified number : ",modified)
```

#4

```
logic_details={
    "Rakshana":14122006,
    "Makila":27021976,
    "Kanish":30062010,
    "Varshan":18072013
}
```

```
username=input()
password=int(input())
if username in logic_details:
    if logic_details[username]==password:
        print("Successfully logged in")
    else:
        print("Invalid password")
else:
    print("Incorrect username")
```