

#1

```
gas =list(map(int,input("Enter the gas at each station: ").split()))
cost =list(map(int,input("Enter the gas at each station: ").split()))
total_gas=0
total_cost=0
current_gas=0
starting_station=0
for i in range(len(gas)):
    total_gas+=gas[i]
    total_cost+=cost[i]
    current_gas+=gas[i]-cost[i]
    if current_gas<0:
        starting_station=i+1
        current_gas=0
if total_gas>=total_cost:
    print(f"Starting gas station index:{starting_station}")
else:
    print("Not possible to complete the circuit")
```

#2

```
ratings =list(map(int,input("Enter the gas at each station: ").split()))
n=len(ratings)
candies=[1]*n
for i in range(1,n):
    if ratings[i]>ratings[i-1]:
        candies[i]=candies[i-1]+1
for i in range(n-2,-1,-1):
    if ratings[i]>ratings[i+1]:
        candies[i]=max(candies[i],candies[i+1]+1)
result=sum(candies)
print(result)
```