#### HATFD1010

#### **Problem Statement:**

## **Rotate a String Left by K Positions**

Write a program to rotate a given string s left by k positions without using any built-in string functions.

For example, rotating "abcdef" by 2 would give "cdefab".

**Instructions**: Do not use built-in rotation or substring functions. Implement the logic manually.

# Program code: Rotateastring.py

```
def swap(reslist:list,st:int,ed:int):
  while st<ed:
    reslist[st],reslist[ed]=reslist[ed],reslist[st]
    st+=1
    ed-=1
def rotation(reslist:list,k:int)->str:
  slength=len(s)
  if(slength==0):
    return "
  k%=slength
  swap(reslist,0,k-1)
  swap(reslist,k,slength-1)
  swap(reslist,0,slength-1)
  return ".join(reslist)
if __name__=="__main__":
  s=input()
  k=int(input())
  reslist = list(s)
  print(rotation(reslist,k))
```

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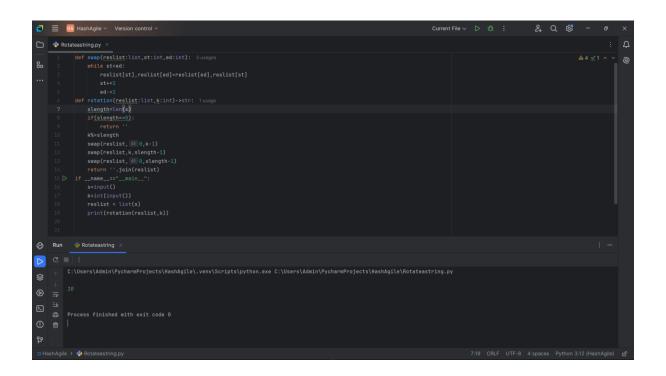
### **Sample Inputs:**

Input1: s= "abcdef", k=2

Output: "cdefab"

Input2: s="" (Empty String), k =10

Output: "" (Empty String)



Input3: s="Thisisansampletestcase", k=100

Output: "letestcaseThisisansamp"

