

Polycarp's Encoding Reversal

Date : 6 th June 2024

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Details of Project : I am implementing this project by using pyhton programming language

Code :

```
polycarpsencondingreversal.py
1 def decode(a,b):
2     c=""
3     d=""
4     e=a-1
5     while (e>=0):
6         if b[e]=="0":
7             c=b[e-2]+b[e-1]
8             e=e-3
9         else:
10            c=b[e]
11            e=e-1
12            f=int(c)
13            d=chr(96+f)+d
14    print(d)
15    g=int(input())
16    for i in range(g):
17        a=int(input())
18        b=input()
19        decode(a,b)
```

Input and Output :

```
STDIN
1
6
315045

Output:
code
```

Explanation : In this program I have implemented polycarp's encoding reversal which is nothing but decoding the encoded string and revealing the original text, in which I have taken it as an input from the user and displayed the output

Conclusion : Finally I have got the desired output original string