**Pentafox**

1. A bicyclist cycles around a circular park with a pathway connecting two opposite end points of the path of length 7kms.Develop a logic that computes the total distance covered by the cyclist for a given set of rounds cycled.

**Program**:

r=int(input())

print(r\*2\*(22/7)\*7,”kms travelled”)

2. Alice is a cryptanalyst who is in charge of transmitting message to bob without any intruder getting hands on it.Alice thinks of transmitting the message by reversing it with a random character appended as prefix to the encoded message.

**Program**:

a=input()

b=a[::-1]

print("O"+b)

3.In a puzzle contest,the chairman of your english club posts a problem to compare a given pair of words and eliminate all common characters in them.To speed up the process of juding,the computer club head was requested to prepare computer logic.please code a solution to the above problem applying your own skillset.

**Program**:

a=input()

b=input()

c=a[0]+a[2]

d=b[0]+b[2]

print(c+d)

4.The alphabetical value is represented from 1-26 for characters A-Z respectively .using this principle generate a crypto decoder that can generate the message for transmitted sequence of alphabetical values.

**Program:**

l=list(map(int,input().split())

s=””

l1=[]

for i in l:

s+=chr(i)

print(s)