

LAB:04

QUESTION:02

PROGRAM

INPUT

```
from math import*
def airthmeticsequence(n,a,d):
    Tn=(a+((n-1)*d))
    return Tn
a=int(input("enter first term"))
d=int(input("enter common difference"))
n=int(input("enter nth term"))
print("the",n,"term is ",airthmeticsequence(n,a,d))
x=input("do you want to continue or not?")
x="yes"
while(x=="yes"):
    n = int(input("enter nth term"))
    Tn=(a+(n-1)*d)
    print("the",n,"term is",airthmeticsequence(n,a,d))
    x=input("do you want to continue or not?")
```

OUTPUT

enter first term6

enter common difference2

enter nth term3

the 3 term is 10

do you want to continue or not?yes

enter nth term5

the 5 term is 14

do you want to continue or not?no

Process finished with exit code 0