BRAINWARE UNIVERSITY

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Subject : Artificial Intelligence Lab

Subject code:BCA691

Assignment : week 3

Prolog problems:-

1.)Write a prolog(swi) program to calculate nth Fibonacci number .

 Code)

fibo(0,0).

fibo(1,1).

fibo(N,A):-

        N>1->

```
(
        N1 is N-1,

        N2 is N-2,

        fibo(N1,R1),

        fibo(N2,R2),

        A is R1+R2
).
```

```
?- ['fibonaci.pl'].

true.

?- fibo(3,2).

true
```