```
Module 3
 1) Convent Binary number to decimal
   #110010
   num = int (input ("Enter your number:"))
   1=0
   Value = 0
  # Convert of med x
  · While (num >0):
     1+ 1 mi= i+1
      91em=num %10
        Value += Hem *2 **;
        num = num //10
 Pount ("decimal number is: ", Value)
  -) Enter your number: 110010
 the decimal number is : 36.
 2) Fibonacci series
   def fibonacci (n): it i gianom book ) tois
0=0
b=1

If n < 2:

Print ("Incorrect input")

And I have

point ("Incorrect input")
       Else:
Print ("o")
Print ("1")
 for i in range (21n):
 IT P que LIC=a+b
   Print (" {3" format ())
```

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- fi bonacci(i), x. has a long to the first
  0
             (1" sodowa a sotas") kyal) ta + x
  1 .
  1.
             y - lot (copt (" lover a number; "))
  2 ..
                                        ile x ii
  3.
  5
  8.
                                     guester y
3) Multiplication Table.
   a = in + (input ("Enter the number for table you want:")
                  It ( Constant xx == 0) and (
                           icm = golde ten -
   while (iz 10):
        i = i+1
       Print (" { 23 * { 03 = 213 " format (i, i *a, a))
 Enter the number for table you want: 2
      2 * 1= 2
                          Coto a number: 10
     2 * 2 = 4
                          Coper a number : 5
     2 * 3 = 6
     2 74 = 8
                  The HEF of 10 and 10 in 5
                         Loto a number : 54
                         we a number o min
      2 * 8 = 16
                           THE LCM HY SIG
      2 79 = 18
      2 *10 = 20.
4) CTCD and HCF of Two numbers:
  X = int Cinput ("Enter the number;"))
  Y = in + (input (" Enter the numbery; ")
   it x >4
         Smaller = 4
    Else
         smaller = x
    for in range (1, smaller +1):
         if ((x x, i==0) and (4 x, i==0));
```

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Print ("The H.C.F. OF", x and", x,"is", hop)
  X = int (input (" enter a number: "))
  Y = int (input (" Enter
                       a number: "))
   if x >4:
    greater = x
    8130:
      greater = y
                            Multiple ation lable.
( that while (True) - samuard 10103") togail to
       if (cgreater 1, x ==0) and (greater 1, y ==0).
         Icm = greater.
    greater +=1 8.
     parint ("The Lem is : ", Lam)
   Enter a number: 10
     enter a number: 5
    The tter of 10 and 10 is 5
      forta a number: 54
     Enter a number: 24
     The LCM is 216
```