

```
1  #converting binary to decimal
2  print( 'enter x for exit' )
3  binary=input( 'enter a number in binary form:' )
4  if binary=='x' :
5      exit( )
6  else:
7      decimal=int( binary,2 )
8      print( binary, 'in decimal' ,decimal )
```





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```
enter x for exit  
enter a number in binary form:010111  
010111 in decimal 23  
Program finished]
```

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```
1 #printing even and odd numbers in n numbers
2 a= [ ]
3 n=int( input( 'enter number of elements:' ) )
4 for i in range( 1,n+1 ):
5     b=int( input( 'enter elements:' ) )
6     a.append( b )
7 even= [ ]
8 odd= [ ]
9 for j in a:
10     if( j%2==0 ):
11         even.append( j )
12     else:
13         odd.append( j )
14 print( 'the even numbers list is ',even )
15 print( 'the odd numbers list is ',odd )
```

```
enter number of elements:6
enter elements:1
enter elements:2
enter elements:3
enter elements:4
enter elements:5
enter elements:6
the even numbers list is [2, 4, 6]
the odd numbers list is [1, 3, 5]

[Program finished]
```

```
1 #printing a star pattern
2 n=4
3 row=0
4 while row<n:
5     star=row+1
6     while star>0:
7         print(" * ",end=" ")
8         star=star-1
9     row=row+1
10    print()
```





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\*\*  
\*\*\*

Program finished]



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```
1 #reversing of a string
2 a=str( input( 'enter a string' ) )
3 print( 'reverse of a string is:' )
4 print(a[::-1])
```



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```
enter a string python
reverse of a string is:
nohtyp
Program finished]
```



```
1 #fibonacci series
2 def fib( n ):
3     a=0
4     b=1
5     if n==1:
6         print( a )
7     else:
8         print( a )
9         print( b )
10        for i in range( 2, n ):
11            c=a+b
12            a=b
13            b=c
14            print( c )
15 fib(10)
```



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4 minutes ago



0  
1  
1  
2  
3  
5  
8  
13  
21  
34

[Program finished]

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```
1 #printing multiplication table
2 num=int( input( 'enter the number:' ) )
3 for i in range( 1,11 ):
4     print(num,'x',i,'=',num*i)
```



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enter the number: 17

7 x 1 = 17

7 x 2 = 34

7 x 3 = 51

7 x 4 = 68

7 x 5 = 85

7 x 6 = 102

7 x 7 = 119

7 x 8 = 136

7 x 9 = 153

7 x 10 = 170

Program finished]

```
1 | #hcf of two numbers|
2 | def compute_hcf( x, y ):
3 |     while( y ):
4 |         x, y = y, x % y
5 |     return x
6 |
7 | hcf = compute_hcf( 300, 400 )
8 | print( "The HCF is", hcf )
```





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The HCF is 100

Program finished]

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```
1 #write a python program that prints all the numb  
  from 0 to 6 except 3 and 6.  
2 for x in range( 6 ) :  
3     if ( x == 3 or x==6 ) :  
4         continue  
5     print( x,end=' ' )  
6 print( "\n" )  
7
```

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1 2 4 5

Program finished]