

Comparison of Unformatted and Formatted Output

```
#-----
BAR1 = 50 * "-"
BAR2 = 50 * "="

#-----

print( BAR2, "Table of Powers" )
print( )

# unformatted
for n in range( 1, 11 ) :
    print( n, n ** 2, n ** 3 )

print( BAR1 )

# formatted
for n in range( 1, 11 ) :
    print( "%3i %5i %5i" % ( n, n ** 2, n ** 3 ) )

#-----

print( )
print( BAR2, "Table of 1 - 100" )
print( )

# unformatted
for n1 in range( 1, 11 ) :
    for n2 in range( 1, 11 ) :
        print( n1 * n2, end = " " )
    print( )

print( BAR1 )

# formatted
for n1 in range( 1, 11 ) :
    for n2 in range( 1, 11 ) :
        print( "%4i" % ( n1 * n2 ), end = " " )
    print( )

#-----

print( )
print( BAR2, "Strings and Numbers" )
print( )

# unformatted
print( "The name 'Tim' has", len( "Tim" ), "letters" )
print( "The name 'Bernadette' has", len( "Bernadette" ), "letters" )

print( BAR1 )

# formatted
print( "The name '%-10s' has %2i letters" %
      ( "Tim", len( "Tim" ) ) )
print( "The name '%-10s' has %2i letters" %
      ( "Bernadette", len( "Bernadette" ) ) )

#-----
```

===== Table of Powers

```
1 1 1
2 4 8
3 9 27
4 16 64
5 25 125
6 36 216
7 49 343
8 64 512
9 81 729
10 100 1000
```

```
1      1      1
2      4      8
3      9     27
4     16     64
5     25    125
6     36    216
7     49    343
8     64    512
9     81    729
10    100   1000
```

===== Table of 1 - 100

```
12345678910
2468101214161820
36912151821242730
481216202428323640
5101520253035404550
6121824303642485460
7142128354249566370
8162432404856647280
9182736455463728190
102030405060708090100
```

```
1  2  3  4  5  6  7  8  9 10
2  4  6  8 10 12 14 16 18 20
3  6  9 12 15 18 21 24 27 30
4  8 12 16 20 24 28 32 36 40
5 10 15 20 25 30 35 40 45 50
6 12 18 24 30 36 42 48 54 60
7 14 21 28 35 42 49 56 63 70
8 16 24 32 40 48 56 64 72 80
9 18 27 36 45 54 63 72 81 90
10 20 30 40 50 60 70 80 90 100
```

===== Strings and Numbers

```
The name 'Tim' has 3 letters
The name 'Bernadette' has 10 letters

-----
The name 'Tim' has 3 letters
The name 'Bernadette' has 10 letters
```