https://www.programiz.com/python-programming/examples/display-calendar

1)

RANDOM NUMBER :

import random  
for i in range(6):  
 print(random.randint(0,9),end="")

2) ax2 + bx + c = 0, where

a, b and c are real numbers and

a ≠ 0

# Solve the quadratic equation ax\*\*2 + bx + c = 0  
import cmath  
a = 1  
b = 5  
c = 6  
d = (b\*\*2) - (4\*a\*c)  
sol1 = (-b-cmath.sqrt(d))/(2\*a)  
sol2 = (-b+cmath.sqrt(d))/(2\*a)  
print('The solution are {0} and {1}'.format(sol1,sol2))

3) Python program to display all the prime numbers within an interval

lower = 900  
upper = 1000  
for num in range(lower, upper + 1):  
 if num > 1:  
 for i in range(2, num):  
 if (num % i) == 0:  
 break  
 else:  
 print(num,end = ',')

4) Factorial of a given number

n = int(input())  
for i in range(1,n):  
 n \*= i  
print(n)

5)multiplication table

n = int(input())  
for i in range(1,11):  
 print(n,'X',i,'=',i \* n)

6)Fibonacci Sequence

n = int(input())  
num1 = 1  
num2 = 2  
print(num1)  
print(num2)  
for i in range(n):  
 num3 = num1 + num2  
 print(num3)  
 num1 = num2  
 num2 = num3

7) Python program to check if the number is an Armstrong number or not

n = int(input())  
m = n  
q = len(str(n))  
b = 0  
while n >0:  
 a = n % 10  
 b = b + a\*\*q  
 n = n//10  
if b == m:  
 print(m,"is an Amstrong number")  
else:  
 print(m,"is not an Amstrong number")

8) Program to display calendar of the given month and year

import calendar  
yy = 2020  
mm = 12  
print(calendar.month(yy, mm))