1. Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).

numbers = []

for num in range(1500, 2701):

if num % 7 == 0 and num % 5 == 0:

numbers.append(num)

print(numbers)

1. Python program to add two numbers

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

sum = num1 + num2

print("The sum of", num1, "and", num2, "is", sum)

1. Maximum of two numbers in Python

def maximum(a, b):

if a > b:

return a

else:

return b

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

max\_num = maximum(num1, num2)

print("The maximum number is", max\_num)

1. Python Program for factorial of a number

def factorial(n):

if n == 0:

return 1

else:

return n \* factorial(n - 1)

num = int(input("Enter a number: "))

fact = factorial(num)

print("The factorial of", num, "is", fact)

1. Python Program for simple interest

principal = float(input("Enter principal amount: "))

rate = float(input("Enter interest rate: "))

time = float(input("Enter time period: "))

simple\_interest = (principal \* rate \* time) / 100

print("The simple interest is", simple\_interest)

1. Python Program for compound interest

principal = float(input("Enter principal amount: "))

rate = float(input("Enter interest rate: "))

time = float(input("Enter time period: "))

compound\_interest = principal \* (1 + rate/100) \*\* time - principal

print("The compound interest is", compound\_interest)

1. Python Program to check Armstrong Number

num = int(input("Enter a number: "))

order = len(str(num))

temp = num

sum = 0

while temp > 0:

digit = temp % 10

sum += digit \*\* order

temp //= 10

if num == sum:

print(num, "is an Armstrong number")

else:

print(num, "is not an Armstrong number")

1. Python Program for Program to find area of a circle

import math

radius = float(input("Enter the radius of the circle: "))

area = math.pi \* radius \*\* 2

print("The area of the circle is", area)

1. Python program to print all Prime numbers in an Interval

start = int(input("Enter the starting number: "))

end = int(input("Enter the ending number: "))

print("Prime numbers between", start, "and", end, "are:")

for num in range(start, end + 1):

if num > 1:

for i in range(2, int(math.sqrt(num)) + 1):

if (num % i) == 0:

break

else:

print(num)

1. Python program to check whether a number is Prime or not

def is\_prime(num):

if num <= 1:

return False

for i in range(2, int(math.sqrt(num)) + 1):

if (num % i) == 0:

return False

return True

num = int