**Python Tasks – Day10**

1. [**Python Program to Check Palindrome Number**](https://www.programiz.com/python-programming/examples/prime-number)

**Ans:**

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

temp = num

rev = 0

while temp > 0:

digit = temp % 10

rev = rev \* 10 + digit

temp //= 10

if num == rev:

print("The number is a palindrome!")

else:

print("The number is not a palindrome.")

1. **Python Program to Print all multiples of 3 and 5 in an Interval**

**Ans:**

def printMultiples(n):

for i in range(1, n+1):

if i%3==0 and i%5==0:

print(i)

printMultiples(100)

1. [**Python Program to Find the Factorial of a Number**](https://www.programiz.com/python-programming/examples/factorial)

**Ans:**

def factorial(n):

if n == 0:

return 1

else:

return n \* factorial(n-1)

print(factorial(5))

1. [**Python Program to Print the Fibonacci sequence**](https://www.programiz.com/python-programming/examples/fibonacci-sequence)

**Ans:**

n = int(input("Enter the number of terms: "))

n1, n2 = 0, 1

count = 0

if n <= 0:

print("Please enter a positive integer")

elif n == 1:

print("Fibonacci sequence upto",n,":")

print(n1)

else:

print("Fibonacci sequence:")

while count < n:

print(n1)

nth = n1 + n2

n1 = n2

n2 = nth

count += 1

1. **Python Program to Check Armstrong** [**Num**](https://www.programiz.com/python-programming/examples/armstrong-number)**ber**

**Ans:**

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

sum = 0

temp = num

while temp > 0:

digit = temp % 10

sum += digit \*\* 3

temp //= 10

if num == sum:

print(num,"is an Armstrong number")

else:

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