Practical 03

Aim :- Write a python program to solve problems using decision and looping statements.

Code :-

# Check if a number is even or odd num = 2

if num % 2 == 0: print(f"{num} is even.")

else:

print(f"{num} is odd.") print(" ")

# Calculate the factorial of a number n = 23

fact = 1

for i in range(1, n + 1): fact \*= i

print(f"Factorial of {n} is {fact}")

print(" ")

# Find prime numbers in a range start = 1

end = 8

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

for i in range(2, num): if num % i == 0:

break

else:

print(num, "is a prime number.")

