

1. Write a python program to reverse a number using a while loop.

```
num = int(input("Enter a number: "))
reversed_num = 0
while num > 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num = num // 10

print("Reversed number:", reversed_num)
```

2. Write a python program to check whether a number is palindrome or not?

```
num = int(input("Enter a number: "))
original_num = num
reversed_num = 0
while num > 0:
    digit = num % 10
    reversed_num = reversed_num * 10 + digit
    num = num // 10
if original_num == reversed_num:
    print("The number is a palindrome.")
else:
    print("The number is not a palindrome.")
```

3. Write a python program finding the factorial of a given number using a while loop.

```
num = int(input("Enter a number: "))
factorial = 1
while num > 0:
    factorial *= num
    num -= 1
print("Factorial is:", factorial)
```

4. Accept numbers using input() function until the user enters 0. If user input 0 then break the while loop and display the sum of all the numbers.

```
total_sum = 0
while True:
    num = int(input("Enter a number (0 to stop): "))
    if num == 0:
        break
    total_sum += num
print("Total sum is:", total_sum)
```