EXERCISE 1: Nintendo Wii

CODE:

Exercise1.py

```
nintendo_price = 100
totalNintendo = 0
money = float(input("Enter your total money: "))
num_of_wii = int(money // nintendo_price)
remaining_money = money % nintendo_price
money_needed = float(nintendo_price - remaining_money)
print("You can purchase", num_of_wii, "Nintendo Wii")
print("You need", money_needed, "to purchase another Nintendo Wii")

```

OUTPUT:

```
Enter your total money: 760
You can purchase 7 Nintendo Wii
You need 40.0 to purchase another Nintendo Wii

Process finished with exit code 0
```

EXERCISE 2: Factorial

CODE:

Exercise1.py Exercise2.py

```
userInput = int(input("Enter a number: "))
num = 0
factorial = 1
for x in range(1, userInput + 1):
    factorial = factorial * x
print("The factorial of", userInput, "is", factorial)

```

OUTPUT:

```
"C:\Program Files\Python312\python.exe"
Enter a number: 4
The factorial of 4 is 24

Process finished with exit code 0
```

EXERCISE 3: Factors

CODE:

Exercise1.py Exercise2.py Exercise3.py

```
1  userInput = int(input("Enter a Number: "))
2  for x in range(1, userInput + 1):
3      if userInput % x == 0:
4          print(x)
5
```

OUTPUT:

```
"C:\Program Files\Python312\python.exe"
Enter a Number: 8
1
2
4
8

Process finished with exit code 0
```