

Exercise 1:

```
19 userMoney = int(input("Your Budget? "))
20 priceOfNintendoWii = 100
21 availableToBuyWithMoney = int(userMoney / priceOfNintendoWii)
22 possibleChangeOfInteraction = int(userMoney % priceOfNintendoWii)
23
24 print("\n")
25 print("You can buy", availableToBuyWithMoney,
26       "Nintendo Wii with the remaining money of", possibleChangeOfInteraction)
27 amountOfTheNintendoWiiTheyWillBuy = int(input("How Many Nintendo Wii are you buying? "))
28 amountOfChangeFromBuyingNintendoWii = int(userMoney - (priceOfNintendoWii * amountOfTheNintendoWiiTheyWillBuy))
```

```
"C:\Program Files\Python312\python.exe" C:\Users\z\Downloads\main.py
```

```
Your Budget? 518
```

```
You can buy 5 Nintendo Wii with the remaining money of 18
```

```
How Many Nintendo Wii are you buying? 4
```

```
You just bought 4 and your change is 118
```

Exercise 2:

```
35 factorialOfANumberTheUserEnters = int(input("Enter a number: "))
36 for numberForTheLoop in range(1, factorialOfANumberTheUserEnters+1):
37     factorialOfANumberTheUserEnters = factorialOfANumberTheUserEnters + numberForTheLoop
38 print(factorialOfANumberTheUserEnters, " is the sum of the number 1-10!")
```

```
"C:\Program Files\Python312\python.exe" C:\Users\z\Downloads\main.py
```

```
Enter a number: 10
```

```
65 is the sum of the number 1-10!
```

```
Process finished with exit code 0
```

Exercise 3:

```
43 listForTheFactorsOfTheNumbers = []
44 factorOfANumberTheUserEnters = int(input("Enter a number: "))
45 print("The factors of ", factorOfANumberTheUserEnters, "are: ")
46 for numberForTheLoopAgain in range(1, factorOfANumberTheUserEnters + 1):
47     if factorOfANumberTheUserEnters % numberForTheLoopAgain == 0:
48         listForTheFactorsOfTheNumbers.append(numberForTheLoopAgain)
49 print("The factors of ", factorOfANumberTheUserEnters, " are:", listForTheFactorsOfTheNumbers)
```

```
"C:\Program Files\Python312\python.exe" C:\Users\z\Downloads\main.py
```

```
Enter a number: 69
```

```
The factors of 69 are:
```

```
The factors of 69 are: [1, 3, 23, 69]
```

```
Process finished with exit code 0
```