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IDB2   DSALGO1

Exercise 1

```
userInput=int(input("Enter the Amount of money "))
price = 100
amount = userInput / price
additional = (price%userInput)
print("Amount of Nintendo you can buy: ", amount)
print("amount of money needed for additional Wii:", additional)
```

OUTPUT

```
C:\Users\broqueza_r1\PycharmProjects\Activity\pythonProject\.venv\Scripts\python.exe C:\Users\broqueza_r1\PycharmProjects\Activity\pythonProject\main.py
Enter the Amount of money 500
Amount of Nintendo you can buy:  5.0
amount of money needed for additional Wii: 100
Enter number:
```

Exercise 2

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

OUTPUT

```
Enter a number:5
120 is the factorial of the number 1 - 5

Process finished with exit code 0
|
```

Exercise 3

```python
userInput=int(input("Enter number: "))
for x in range(1, userInput+1):
    if userInput%x==0:
        print(x, "is a factor of", userInput)
```

OUTPUT

```
C:\Users\broqueza_r1\PycharmProjects\Activity\pythonProject\.venv\Scripts\python.exe C:\Users\broqueza_r1\PycharmProjects\
Enter number: 10
1 is a factor of 10
2 is a factor of 10
5 is a factor of 10
10 is a factor of 10
```