Question 1:

1. This code is saved in q1.py

2. This program allows the user to input the final account value, annual interest rate (the unit is %) and the number of years. These numbers should be positive real numbers. The output would be the initial value of money that has to be saved to obtain the final account value.

3. sample run

文本

描述已自动生成

Question 2:

1. This code is saved in q2.py

2. This program allows the user to input an integer and displays each of its numbers one by one.

3. sample run

文本

描述已自动生成

Question 3:

1. This code is saved in q3.py

2. This program allows the user to input the number and print which number squares is greater than the number you input.

3. sample run

文本

描述已自动生成

Question 4:

1. This code is saved in q4.py

2. This program allows the user to input a positive integer and will output a table which shows every positive integer m that is smaller or equal to the number and the values of m+1 and m\*\*(m+1).

3. If the user fails to input a qualified number, the user will receive a reminder and be asked to input again until the qualified number appears.

4. Sample run

文本

描述已自动生成

Question 5：

1. This code is saved in q5.py
2. This program allows the user to input a number, and the program will print all the prime number lower than the number input.
3. If the user fails to input a qualified number, the user will receive a reminder and be asked to input again until the qualified number appears.
4. Sample run

文本

描述已自动生成

Question 6:

1. This code is saved in q6.py

2. The program allows the user to input a function (sin cos tan) and the interval [a,b]. The program will print the solve of the function

3. If the user fails to input a qualified number, the user will receive a reminder and be asked to input again until the qualified number appears.

4. Sample run

文本

描述已自动生成