1.

blocks = int(input("Enter the number of blocks: "))

height = 0

in\_layer = 1

while in\_layer <= blocks:

height += 1

blocks -= in\_layer

in\_layer += 1

print("The height of the pyramid:", height)

2. plant = (input("Please enter your plant: "))

if plant ==” Spathiphyllum” :

print ("Spathiphyllum is the best plant ever!")

if plant == spathiphyllum :

print("No, I want a big Spathiphyllum!")

else:

print("Spathiphyllum! Not [input]!")

3.

income = float(input("Enter the annual income: "))

if income < 85528:

tax = income \* 0.18 - 556.02

# Write the rest of your code here.

tax = round(tax, 0)

print("The tax is:", tax, "thalers")

4.

year = int(input("Enter a year: "))

if year < 1582:

print("Not within the Gregorian calendar period")

else:

# Write the if-elif-elif-else block here.

5.

secret\_number = 777

print( “guess my secrete number”

user\_number = int(input("Enter the number: "))

while user\_number != secret\_number:

print("Ha ha! You're stuck in my loop!")

user\_number = int(input("Enter the number again: "))

print(secret\_number, "Well done, muggle! You are free now.")