Serie N°2

Partie1 : Conditions

Exercise 1

What is the output of the following snippet?

x = 5y = 10z = 8

print(x > y)print(y > z)

Exercise 2

What is the output of the following snippet?

x, y, z = 5, 10, 8
print(x > z)
print((y - 5) == x)

Exercise 3

What is the output of the following snippet?

x, y, z = 5, 10, 8 x, y, z = z, y, x print(x > z) print((y - 5) == x)

Exercise 4

What is the output of the following snippet?

x = 10 if x == 10: print(x == 10) if x > 5: print(x > 5) if x < 10: print(x < 10) else: print("else")

Exercise 5

What is the output of the following snippet?

```
x = "1"
if x == 1:
    print("one")
elif x == "1":
    if int(x) > 1:
        print("two")
    elif int(x) < 1:
        print("three")
    else:
        print("four")
if int(x) == 1:
        print("five")
else:
        print("six")</pre>
```

Exercise 6

What is the output of the following snippet?

```
x = 1
y = 1.0
z = "1"
if x == y:
    print("one")
if y == int(z):
    print("two")
elif x == y:
    print("three")
else:
    print("four")
```



Exercise 1

Create a for loop that counts from 0 to 10, and prints odd numbers to the screen. Use the skeleton below:

for i in range(1, 11):
 # Line of code.
 # Line of code.

Exercise 2

Create a while loop that counts from 0 to 10, and prints odd numbers to the screen. Use the skeleton below:

x = 1
while x < 11:
 # Line of code.
 # Line of code.
 # Line of code.</pre>

Exercise 3

Create a program with a for loop and a break statement. The program should iterate over characters in an email address, exit the loop when it reaches the @ symbol, and print the part before @ on one line. Use the skeleton below:

```
for ch in "john.smith@pythoninstitute.org":
    if ch == "@":
        # Line of code.
    # Line of code.
```

Exercise 4

Create a program with a for loop and a continue statement. The program should iterate over a string of digits, replace each 0 with x, and print the modified string to the screen. Use the skeleton below:

```
for digit in "0165031806510":
    if digit == "0":
        # Line of code.
        # Line of code.
        # Line of code.
```

Exercise 5

What is the output of the following code?

n = 3

```
while n > 0:
    print(n + 1)
    n -= 1
else:
    print(n)
```

Exercise 6

What is the output of the following code?

n = range(4)

for num in n:

print(num - 1) else: print(num)

Exercise 7

What is the output of the following code?

for i in range(0, 6, 3):
 print(i)