

# Code snippets

```
# Snippet 1
a = 2
b = 3
c = a + b
print(c)
```

```
# Snippet 2
x = 10
y = x * 2
z = y - 5
print(z)
```

```
# Snippet 3
n = 7
if n % 2 == 0:
    print("even")
```

```
# Snippet 4
a = 5
if a > 0:
    print("> 0")
else:
    print("<= 0")
```

```
# Snippet 5
x = 0
if x > 0:
    print("pos")
elif x == 0:
    print("zero")
else:
    print("neg")
```

```
# Snippet 6
i = 0
while i < 3:
    print(i)
    i += 1
```

```
# Snippet 7
i = 1
while i < 5:
    if i % 2 == 0:
        print("even")
    i += 1
```

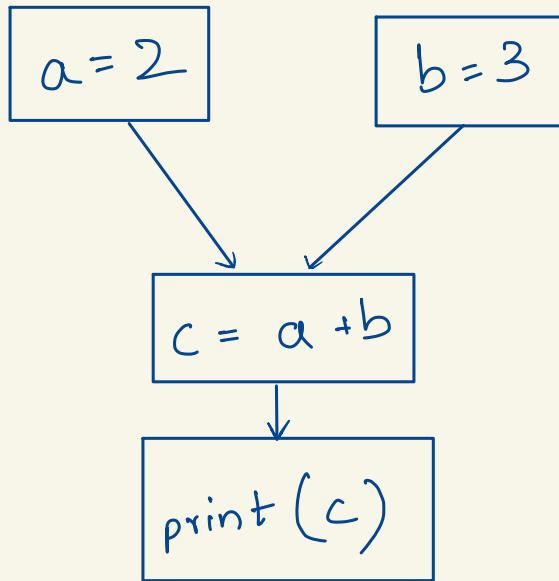
```
# Snippet 8
i = 0
while i < 10:
    if i == 3:
        break
    i += 1
```

```
# Snippet 9
i = 0
while i < 5:
    i += 1
    if i == 2:
        continue
    print(i)
```

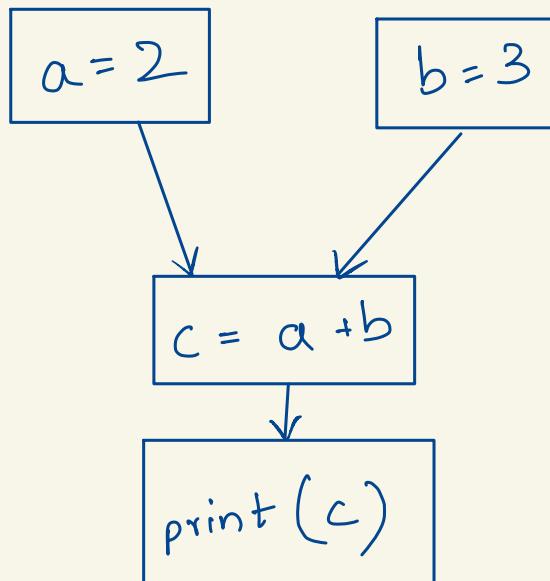
```
# Snippet 10
x = 3
y = 2
if x > y:
    z = x - y
else:
    z = y - x
print(z)
```

```
# Snippet 1  
a = 2  
b = 3  
c = a + b  
print(c)
```

## Control Flow Graph



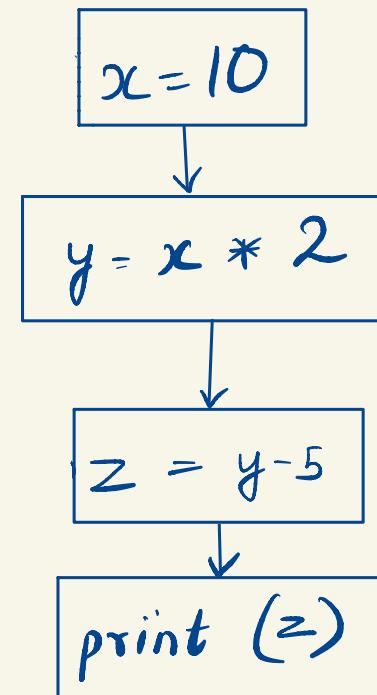
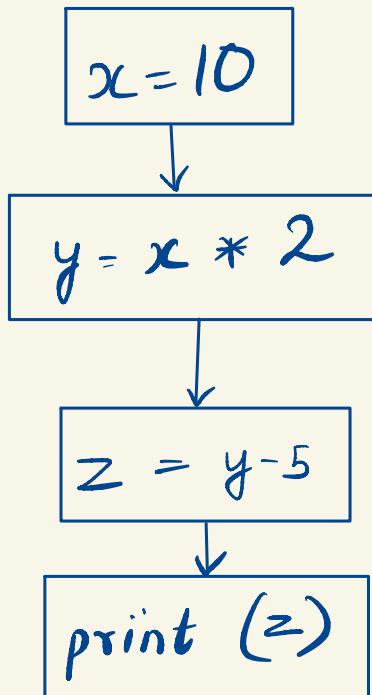
## Program Dependency Graph



```
# Snippet 2  
x = 10  
y = x * 2  
z = y - 5  
print(z)
```

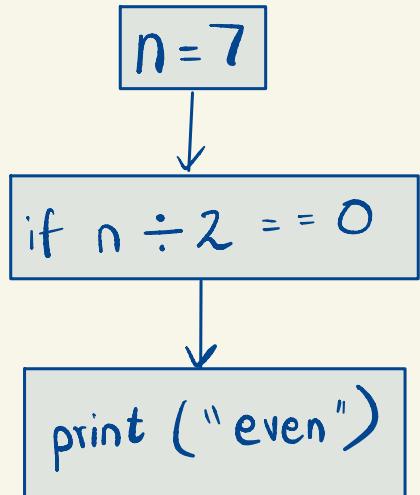
## Program Dependency Graph

### Control Flow Graph

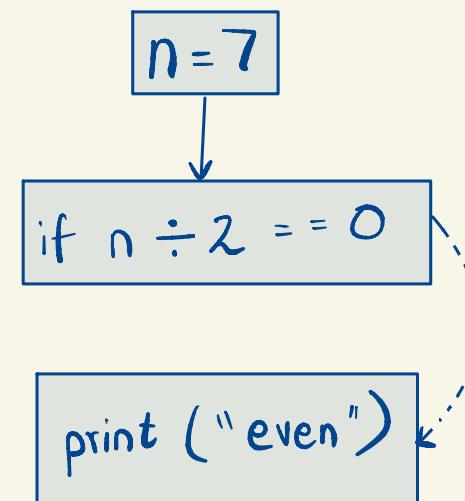


```
# Snippet 3  
n = 7  
if n % 2 == 0:  
    print("even")
```

## Control Flow Graph

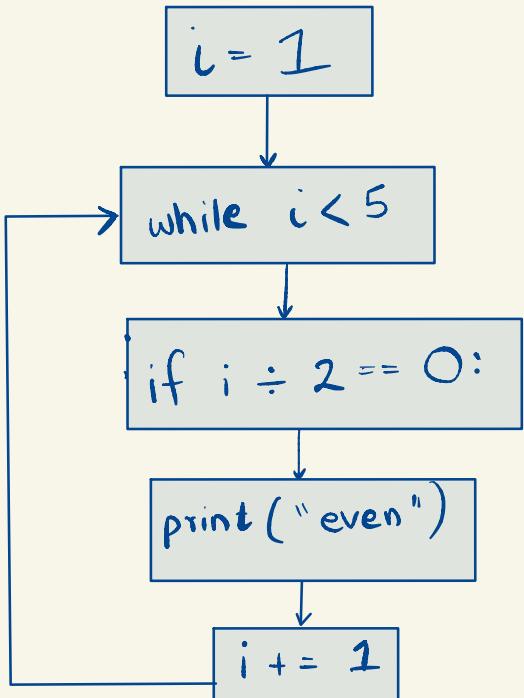


## Program Dependency Graph

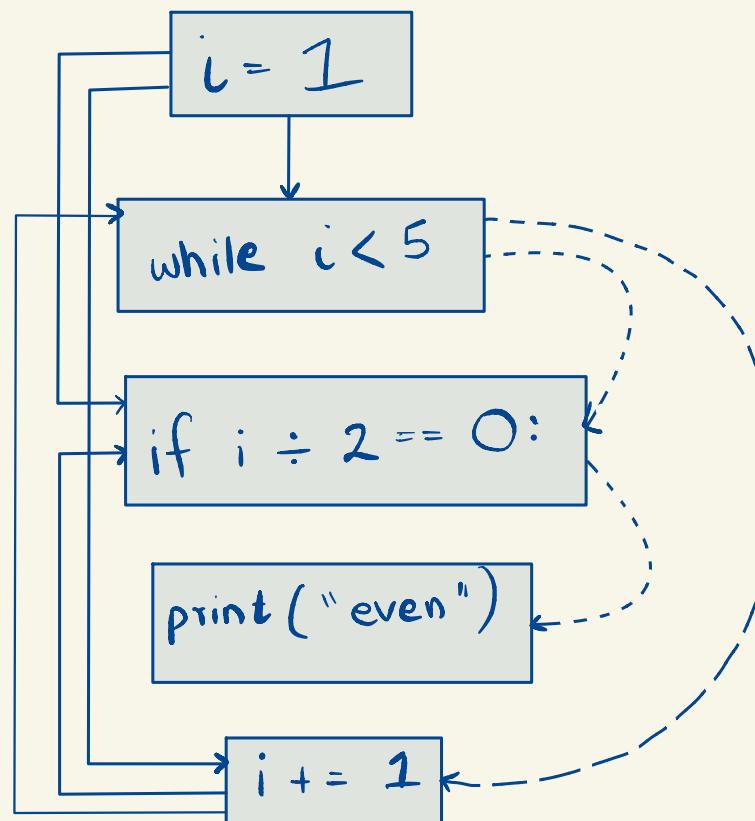


```
# Snippet 7
i = 1
while i < 5:
    if i % 2 == 0:
        print("even")
    i += 1
```

## Control Flow Graph

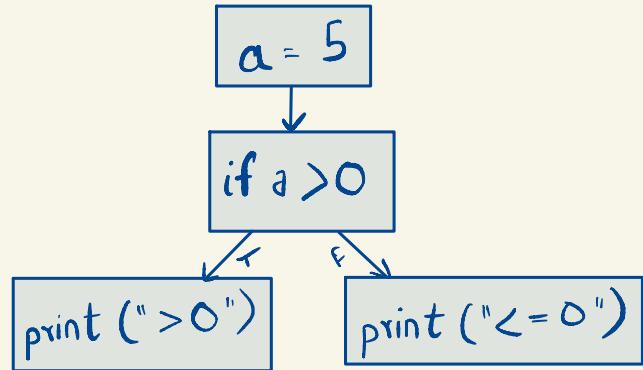


## Program Dependency Graph

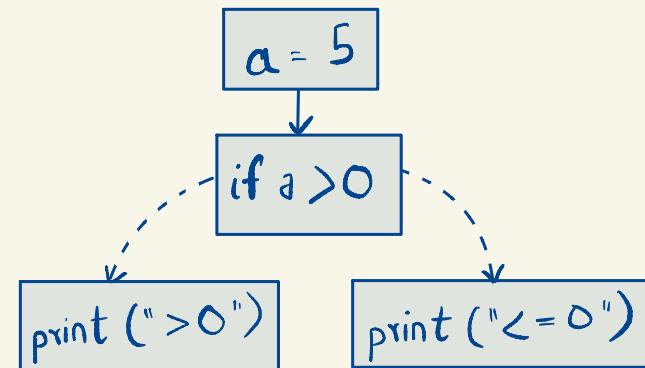


```
# Snippet 4
a = 5
if a > 0:
    print("> 0")
else:
    print("<= 0")
```

## Control Flow Graph

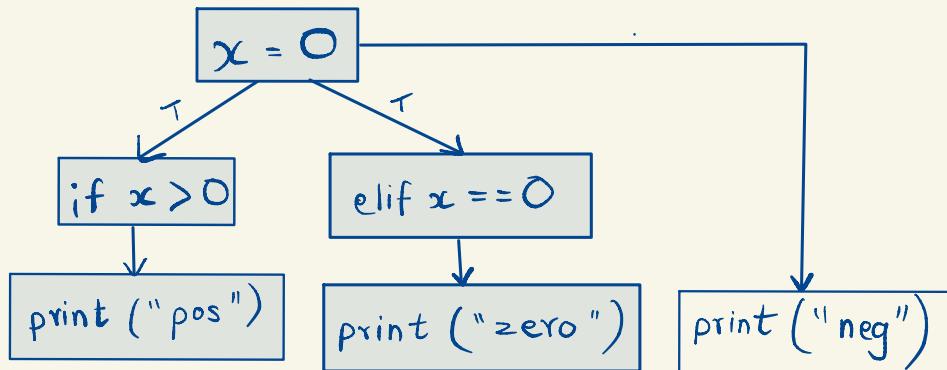


## Program Dependency Graph

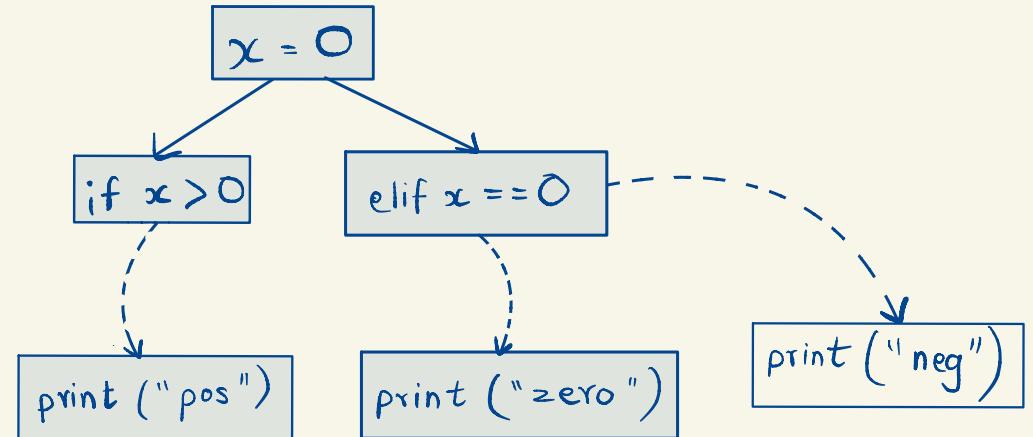


```
# Snippet 5
x = 0
if x > 0:
    print("pos")
elif x == 0:
    print("zero")
else:
    print("neg")
```

## Control Flow Graph

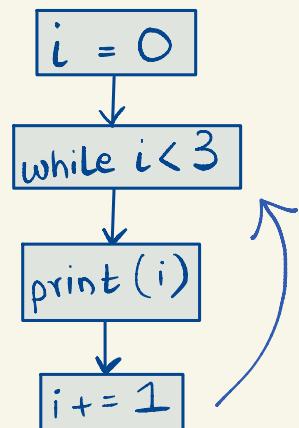


## Program Dependency Graph

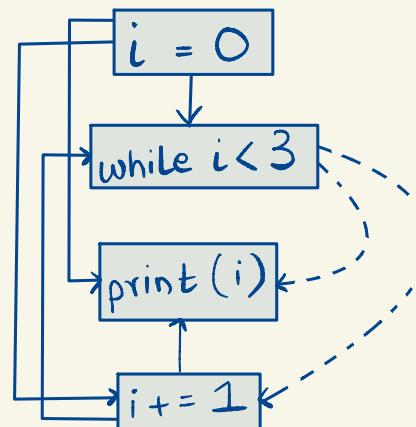


```
# Snippet 6
i = 0
while i < 3:
    print(i)
    i += 1
```

## Control Flow Graph

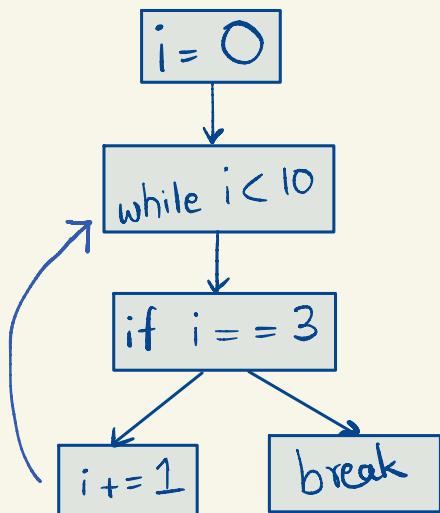


## Program Dependency Graph

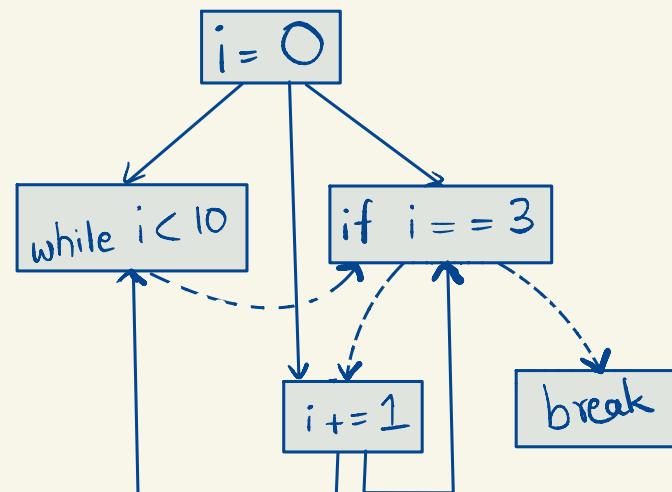


```
# Snippet 8
i = 0
while i < 10:
    if i == 3:
        break
    i += 1
```

## Control Flow Graph

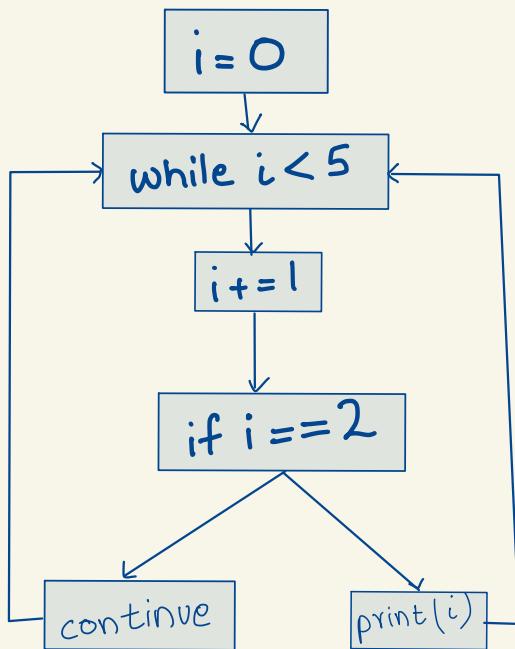


## Program Dependency Graph

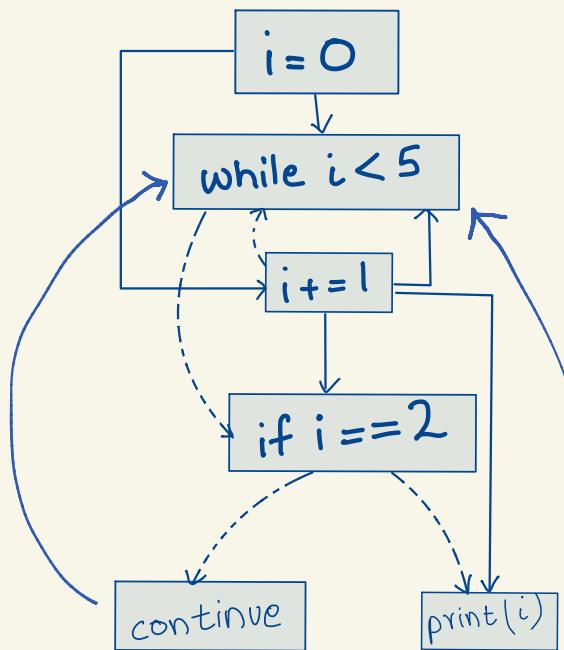


```
# Snippet 9
i = 0
while i < 5:
    i += 1
    if i == 2:
        continue
    print(i)
```

## Control Flow Graph

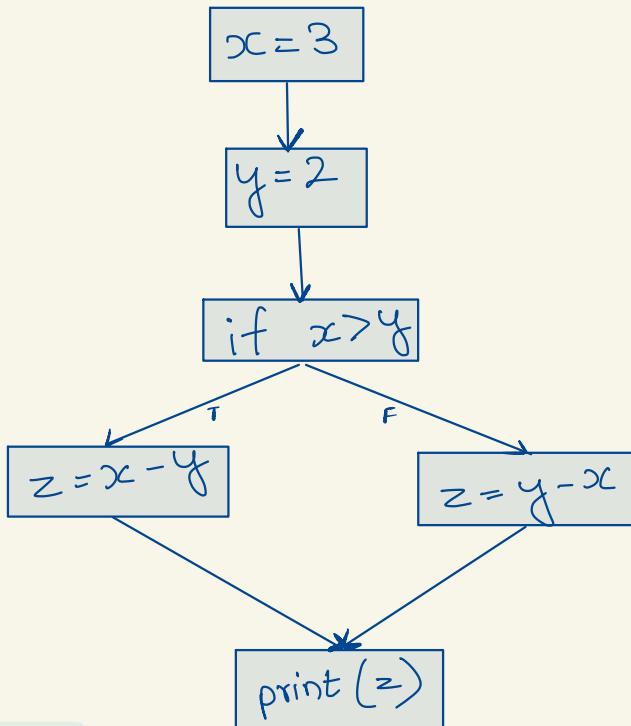


## Program Dependency Graph



```
# Snippet 10
x = 3
y = 2
if x > y:
    z = x - y
else:
    z = y - x
print(z)
```

## Control Flow Graph



## Program Dependency Graph

