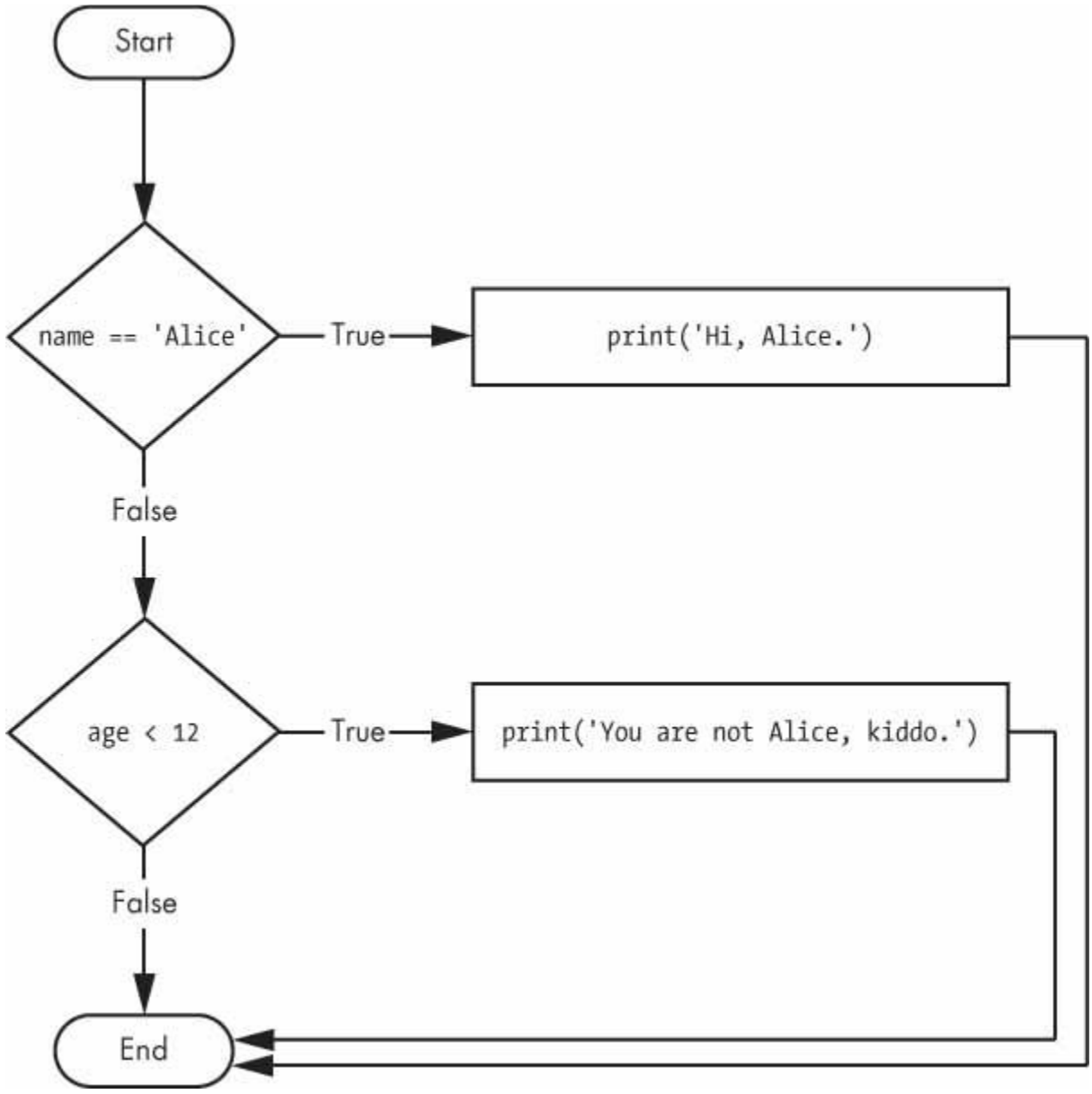
Teaching Aids

1. Semester: First Year
2. Course: Introduction to Python Programming
3. Course Code: BPLCK105B/205B
4. Topic: Flow Control Statements

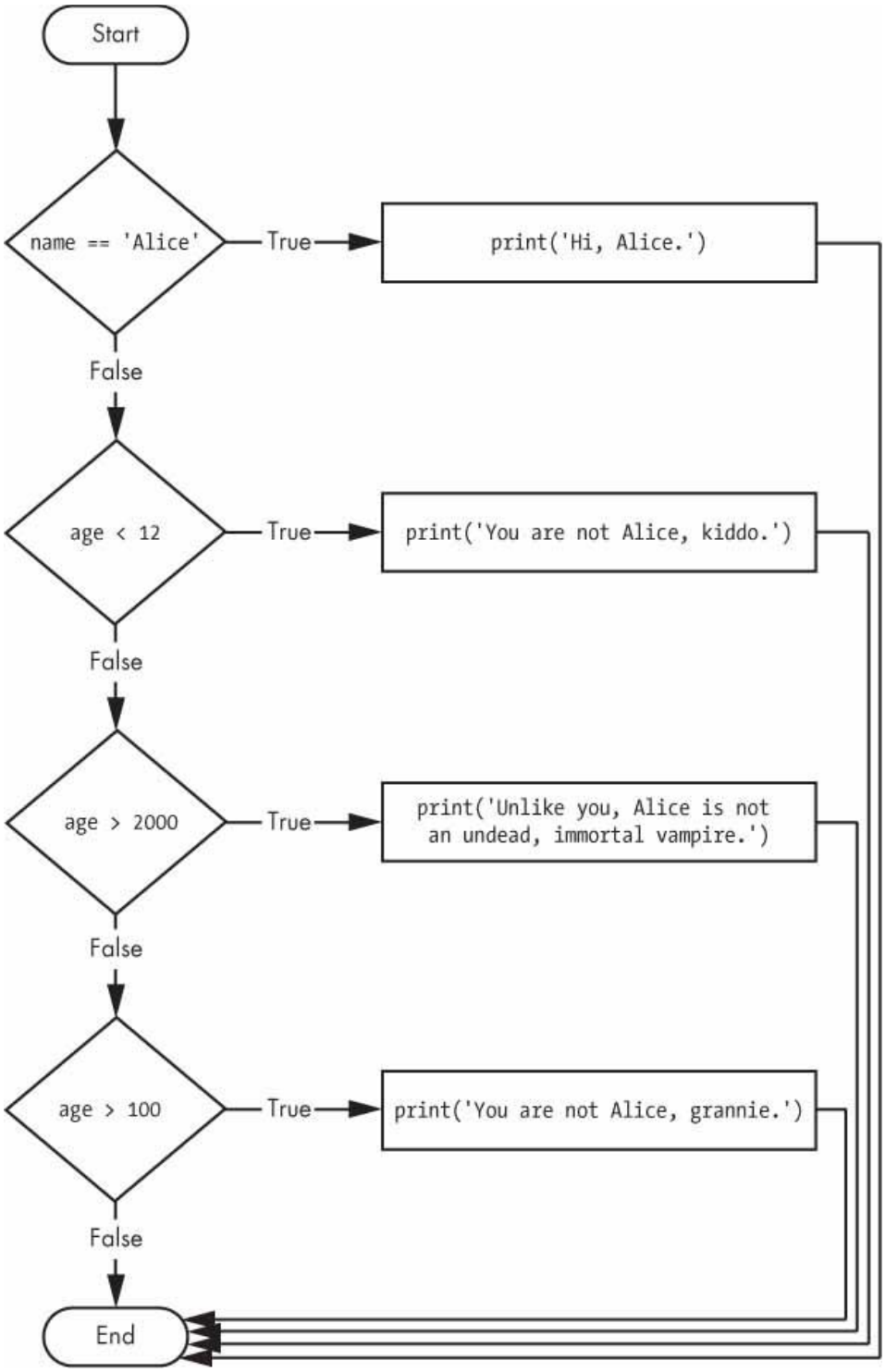
While only one of the if or else clauses will execute, you may have a case where you want one of *many* possible clauses to execute. The elif statement is an "else if" statement that always follows an if or another elif statement. It provides another condition that is checked only if all of the previous conditions were False. In code, an elif statement always consists of the following:

- The elif keyword
- A condition (that is, an expression that evaluates to True or False)
- A colon
- Starting on the next line, an indented block of code (called the elif clause)
-

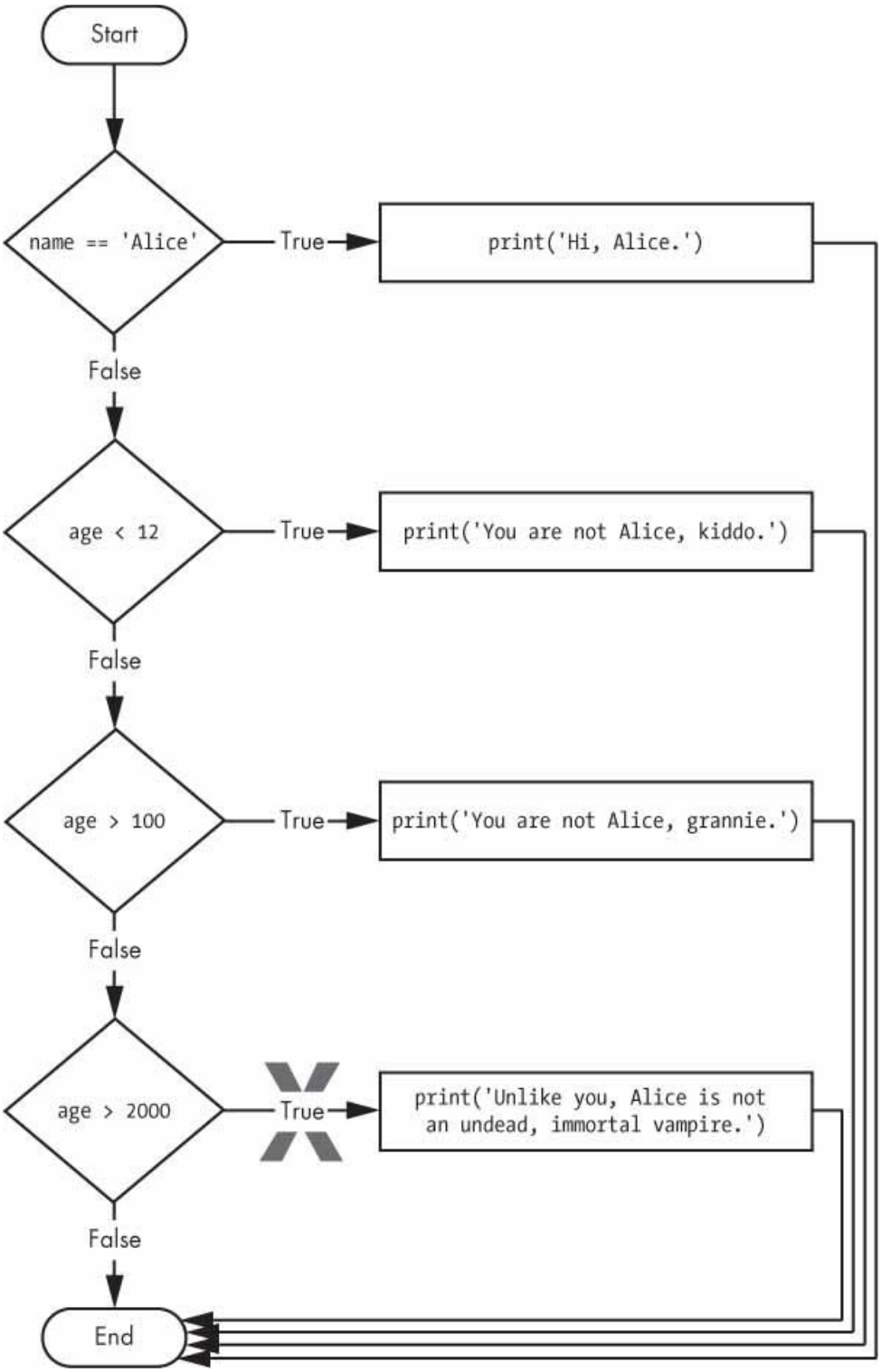
```
if name == 'Alice':
    print('Hi, Alice.')
elif age < 12:
    print('You are not Alice, kiddo.')
```


Start
name == 'Alice'
True
print('Hi, Alice.')
False
age < 12
True
print('You are not Alice, kiddo.')
False
End

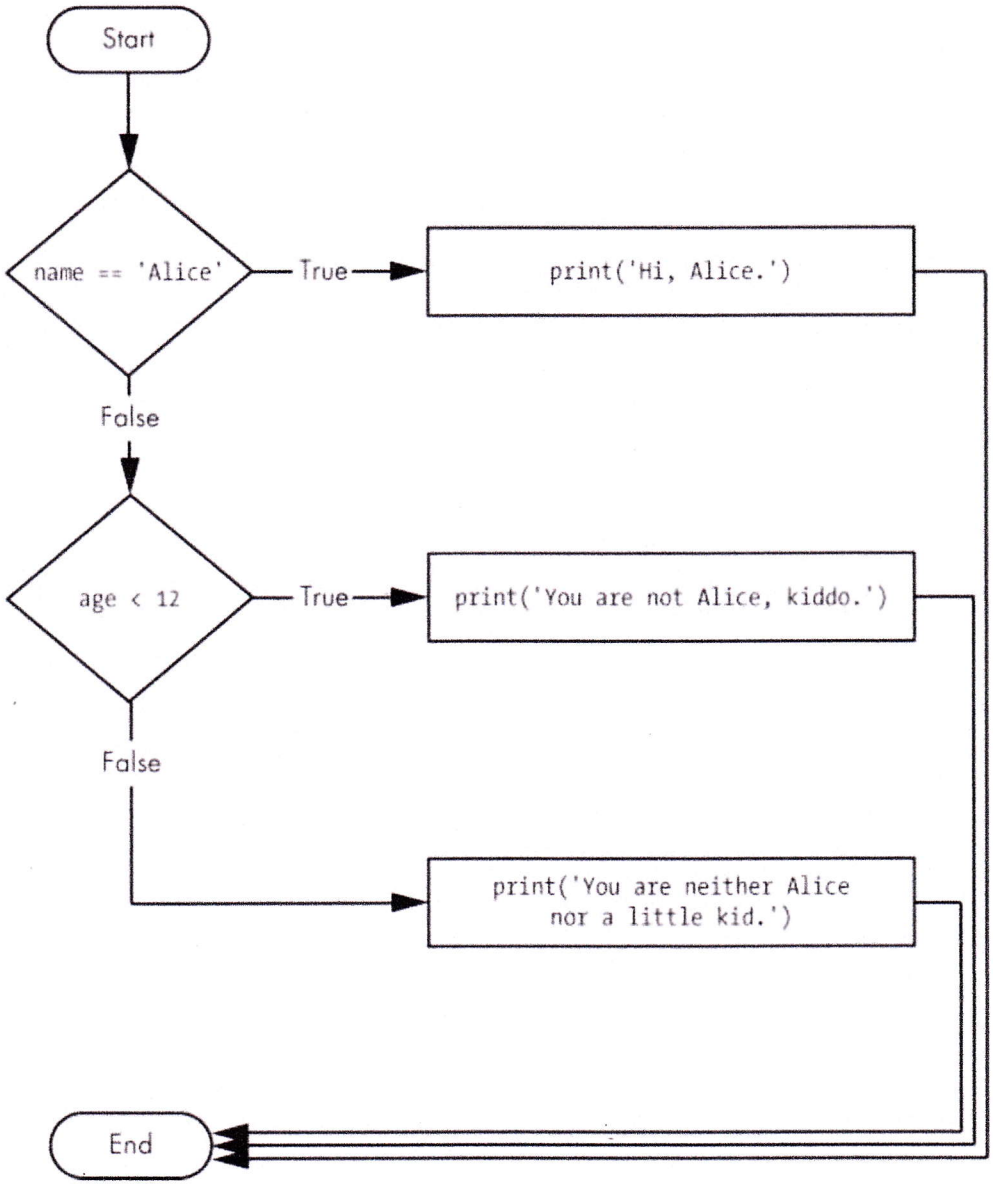
```
name = 'Carol'
age = 3000
if name == 'Alice':
    print('Hi, Alice.')
elif age < 12:
    print('You are not Alice, kiddo.')
elif age > 2000:
    print('Unlike you, Alice is not an undead,
immortal vampire.')
elif age > 100:

    print('You are not Alice, grannie.')
```


Start
name == 'Alice'
True
print('Hi, Alice.')
False
age < 12
True
print('You are not Alice, kiddo.')
False
age > 2000
True
print('Unlike you, Alice is not an undead, immortal vampire.')
False
age > 100
True
print('You are not Alice, grannie.')
False
End

```
name = 'Carol'
age = 3000
if name == 'Alice':
   print('Hi, Alice.')
elif age < 12:
   print('You are not Alice, kiddo.')
elif age > 100:
   print('You are not Alice, grannie.')
elif age > 2000:
   print('Unlike you, Alice is not an undead,
immortal vampire.')
```


Start
name == 'Alice'
True
print('Hi, Alice.')
False
age < 12
True
print('You are not Alice, kiddo.')
False
age > 100
True
print('You are not Alice, grannie.')
False
age > 2000
True
print('Unlike you, Alice is not an undead, immortal vampire.')
False
End

```
name = 'Carol'
age = 3000
if name == 'Alice':
    print('Hi, Alice.')
elif age < 12:
    print('You are not Alice, kiddo.')
else:
    print('You are neither Alice nor a little
kid.')
```



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