

Level 2 Python Tracing Problems

Exercise 1: What is the output?

```
x = 3
print(x + 2)
```

Exercise 2: What is the output?

```
z = -3
print(3 + z)
```

Exercise 3: What is the output?

```
y = 3
z = -2
x = 10
print(y + z + x)
```

Exercise 4: What is the output?

```
print(5 * 6)
```

Exercise 5: What is the output?

```
for x in range(5):
    print(x)
```

Exercise 6: What is the output?

```
for z in range(4, 9):
    print(z)
```

Exercise 7: What is the output?

```
for y in range(9, 9):
    print(y)
```

Exercise 8: What is the output?

```
for y in range(4, 5)
    print(x)
```

Exercise 9: What is the output?

```
word = "Hello"
for char in word:
    print(char)
```

Exercise 10: What is the output?

```
print("My name is " + "Joe")
```

Exercise 11: What is the output?

```
print("The date is ") + "July 4th"
```

Exercise 12: What is the output?

```
start = "Sam I Am"  
end = "Green Eggs and Ham"  
print(start + " " + end)
```

Exercise 13: What is the output?

```
for x in range(1,3):  
    print(x)  
print(Hello, World!)
```

Exercise 14: What is the output?

```
print(range(4))
```

Exercise 15: What is the output?

```
x = 2  
print(x < 3)
```

Exercise 16: What is the output?

```
x = 4  
print(x < 3)
```

Exercise 17: What is the output?

```
y = 5  
z = 10  
print(y > z)
```

Exercise 18: What is the output?

```
print(3 == 4)
```

Exercise 19: What is the output?

```
print(3 == 3)
```

Exercise 20: What is the output?

```
y = 2  
x = 1  
print(y == x)
```

Exercise 21: What is the output?

```
z = 3  
x = 3  
print(z == x)
```

Exercise 22: What is the output?

```
print(False)
```

Exercise 23: What is the output?

```
x = 1
if(x < 3):
    print("this is true")
```

Exercise 24: What is the output?

```
bool = True
if(bool):
    print("this is true")
```

Exercise 25: What is the output?

```
bool = True
if(bool):
    print("this is true")
```

Exercise 26: What is the output?

```
bool = False
if(bool):
    print("the conditional statement is true")
else:
    print("the conditional statement is false")
```

Exercise 27: What is the output?

```
x = 0
while(x < 3):
    print(x)
    x = x + 1
```

Exercise 28: What is the output?

```
x = 0
while(x < 3):
    print(x)
x = x + 1
```

Exercise 29: What is the output?

```
x = 0
while(x > 3):
    print(x)
    x = x + 1
```

Exercise 30: What is the output?

```
for letter in "Williams":
    print(letter)
```

