

1. Let's Run Some While Loops!

a. In the box below, write the output of the following code.

```
my_variable = 0
while my_variable < 5:
    print(my_variable + my_variable)
    my_variable = my_variable + 1
```

b. In the box below, write the output of the following code.

```
special_word = "addis ababa"
while len(special_word) > 5:
    print(special_word)
    special_word = special_word[2:-2]
```

2. Writing Loops

Fill in the blanks of the code to produce the given output.

```
counter = 0
while _____:

    print("Selam")

    counter = _____
```

```
Selam
Selam
Selam
Selam
```

3. Writing More Loops

Fill in the blanks of the code to produce the given output.

```
my_animals = ["dog", "bird", "fish", "cow"]

current_index = len(my_animals) - 1

while _____:

    _____

    current_index = _____
```

```
cow
fish
bird
dog
```

4. To Infinity... And Beyond?

a. What causes an infinite loop?

b. Write code to create an infinite loop for collecting user input.

```
while _____ or _____:

    user_input = input("Provide user input: ")
```

c. Write code to create an infinite loop for collecting user input.

```
while _____ and _____:

    user_input = input("Provide user input: ")
```