

LESSON 1:

LOOPS

TRY IT:

```
num = int(input("Enter a number, -1 to stop"))

while (num != -1):
    print("You entered: " + str(num))
    num = int(input("Enter a number, -1 to stop"))

print("Done.")
```

- What happens?

WHILE LOOP:

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- Uses conditions like *if* statements

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while (num != -1):
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    num = int(input("Enter a number, -1 to stop"))

print("Done.")
```

- **num** is called the **Loop Control Variable**
- **num** must change in the loop for the loop to stop

TRY IT:

```
name = input("Enter a name, STOP to end")

while (name != "STOP"):
    print("You entered: " + name)
    name = input("Enter a name, STOP to end")

print("Done.")
```

- What happens?

VOCABULARY IN THIS LESSON

Loop	Command to repeat code.
Loop Control Variable	Variable that controls when the loop stops. It must change inside the loop.
while	Command that loops until a condition is false.