Here is a summary of the syntax for loops in shell scripting:

1. For Loop

bash

for variable in list

do

commands

done

Example:

bash

for i in 1 2 3 4 5

do

echo $i

done

2. While Loop

bash

while condition

do

commands

done

Example:

bash

i=1

while [ $i -le 5 ]

do

echo $i

((i++))

done

3. Until Loop

bash

until condition

do

commands

done

Example:

bash

i=1

until [ $i -gt 5 ]

do

echo $i

((i++))

done

4. Select Loop

bash

select variable in list

do

commands

done

Example:

bash

select i in 1 2 3 4 5

do

echo $i

done

5. For Loop with C-style syntax

bash

for ((init; condition; increment))

do

commands

done

Example:

bash

for ((i=1; i<=5; i++))

do

echo $i

done

Note:

- list can be a series of values, a range (e.g., {1..5}), or a command that generates output.

- condition is a test that evaluates to true or false.

- commands are the statements executed in each iteration.

- (( )) is used for arithmetic expansion.

- select loop is used for menus.