* **Explain for Loop with example?**
* **For Statement**

The for loop operate on lists of items. It repeats a set of commands for every item in a list.\

Here var is the name of a variable and world1 and worldN are sequences of characters separated by spaces(words). Each time the For Loop executes, the value of the variable var is set to the next world in the list of words, word1 to wordN.

**Syntax**

For var in word1 word2…wordn

do

Statement to be executed

done

**Example:**

For Loop using “in” and list of values.

**1st Method**

|  |
| --- |
| #! /bin/bash  for i in {1..5}  do  echo “hi welcome to $i time.”  done |

**Output**

hi welcome to 1 time.

hi welcome to 2 time.

hi welcome to 3 time.

hi welcome to 4 time.

hi welcome to 5 time.

**2nd Method**

|  |
| --- |
| #! /bin/bash  for i in 12345  do  echo “Welcome to ADIT for $i time.”  done |

**Output**

Welcome to ADIT for 1 time.

Welcome to ADIT for 2 time.

Welcome to ADIT for 3 time.

Welcome to ADIT for 4 time.

Welcome to ADIT for 5 time.

**3rd Method**

|  |
| --- |
| #! /bin/bash  for i in {0..10..2}  do  echo “Welcome to ADIT for $i time.”  done |

**Output**

Welcome to ADIT for 0 time.

Welcome to ADIT for 2 time.

Welcome to ADIT for 4 time.

Welcome to ADIT for 6 time.

Welcome to ADIT for 8 time.

Welcome to ADIT for 10 time.