**SHELL SCRIPTING**

* The shell commands are interpreted by the OS .
* The shell has some basic commands. In this we are using the bash shell scripting.

/bin/bash is the place where the bash shell is saved.

Bash is simplified as born again shell. Our OS supports different shell scripts.

#! This is called shebang or hashbang

**Commands:**

#! /bin/bash (location)

echo “hello world” (to print the message)

This is written in a file so that we can execute the file.

* ./filename is the command to execute the file.

**Comments:**

These are a part of the code that is used for knowing the information of the code or command. They cannot be executed. These are prefixed with ‘#’

# command helps to give out message

echo “Hello world”

**Two types of variables:**

System variables (defined by OS)(mostly capitals)(prefixed with $ and will be in capitals)

User defined variables(created and maintained by the user)

**System variables:**

echo $BASH (gives the bash location)

echo $BASH\_VERSION (gives the version)

echo $HOME

echo $PWD

add this in the hello.sh file and look for output

var=10

echo $var (prints the value 10)

**READ User Inputs:**

**read** name is the command used to read the inputs from the user.

echo enter the names

**read** name

echo the name is $name

ouitput: enter the name

sai

the name is sai

**For multiple inputs:**

**read** name1 name2 name3

echo Names: $name1, $name2, $name3

**Input in same line and silent(hide) some inputs:**

**read** -p ‘username ’ user\_var

**read** -sp ‘password’ pass\_var

echo Logged in as $user\_var

Here -p is the flag used for the inline inputs and -sp flag is used to hide and inline input