- KSH (Korn Shell)
- TCSH
- restricted shell - only normal commands can be executed.
- debian - dshell.

To find all available shells in your system type following command: cat /etc/shells.

Shell script is a series of command written in plain text file.

Importance of writting shell script:

- Shell script can take input from user, file and output them on screen.
- useful to create our own commands.
- saves a lot of time.
- To automate some task of day today life.
- System administration part can also be automated

Following steps are required to write shell script

- use any editor like vi or mcedit to write shell script.
- After writing shell script set execute permission for your script as follows.
- Syntax: chmod permissions your script name.

PROGRAMS:

1) Display Hello. World

```
echo "Hello.World"
```

2) Program to assign a value to variable and display the content of the variable.

```
a="abhiram"
echo "The value of A is : $a"
```

3) Program to pass arguments to the program and display the count of arguments and content.

```
echo "No of Argument : $#"
echo "Name of the file : $0"
echo "Argument 1 : $1"
echo "Argument 2 : $2"
echo "Argument 3 : $3"
echo "Argument 4 : $4"
```

4) Program to test whether 3 variables are being passed to it

```
If [ $# != 3 ]
then
    echo "3 Arguments are not passed"
else
    echo "3 Arguments are passed"
fi
```

5) Let the argument be a file name. Write shell program to check whether the file exists or not?

```
if [-f $1]
then
    echo "Exist"
else
    echo "Does not exist"
```

6) Modify the above program to rename a filename with another name passed as argument. Also check nos of parameters passed.

```
if [-f $1]
then
    echo "exist"
    mv $1 $2
else
    echo "Does not exist"
fi
echo "No of Arguments : $#"
```

7) Write a shell script to copy contents of file 1 to file 2. If file 2 exist, then append the content of file 1 to its original conten

```
if [-f $1]
then
```

```
    cat $1 >> $2
else
    cp $1 $2
fi
echo "Contents were copied"
```

8) Write a Shell script Program to test whether a string is present in a file or not.

```
If grep -p "$2" $1
then
    echo "exist"
else
    echo "Does not exist"
fi
```

RESULT :-

Basic Shell scripts were implemented.