If-then Scripts:

Check the variable

```bash
#!/bin/bash

count=100
if [ $count -eq 100 ]
then
  echo Count is 100
else
  echo Count is not 100
fi
```

Check if a file error.txt exist

```bash
#!/bin/bash

clear
if [ -e /home/iafzal/error.txt ]

        then
        echo "File exist"
        else
        echo "File does not exist"
fi
```

Check if a variable value is met

```bash
#!/bin/bash

a=`date | awk '{print $1}'`

if [ "$a" == Mon ]

        then
        echo Today is $a
        else
        echo Today is not Monday
fi
```

Check the response and then output

```bash
#!/bin/bash

clear
echo
echo "What is your name?"
echo
read a
echo

echo Hello $a sir
echo

echo "Do you like working in IT? (y/n)"
read Like
echo

if [ "$Like" == y ]
then
echo You are cool

elif [ "$Like" == n ]
then
echo You should try IT, it's a good field
echo
fi
```

Other If statements

If the output is either Monday or Tuesday
```
if [ "$a" = Monday ] || [ "$a" = Tuesday ]
```

Test if the error.txt file exist and its size is greater than zero
```
if test -s error.txt
```

```
if [ $? -eq 0 ]                          If input is equal to zero (0)
if [ -e /export/home/filename ]          If file is there
if [ "$a" != "" ]                        If variable does not match
if [ error_code != "0" ]                 If file not equal to zero (0)
```

Comparisons:
```
-eq   equal to for numbers
==    equal to for letters
-ne   not equal to
!==   not equal to for letters
-lt   less than
-le   less than or equal to
-gt   greater than
-ge   greater than or equal to
```

File Operations:
```
-s    file exists and is not empty
-f    file exists and is not a directory
-d    directory exists
-x    file is executable
-w    file is writable
-r    file is readable
```