

# Bash Shell Scripting

What is Bash?

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What is Shell Scripting?

Shell scripting is interpreted and not compiled.

What is sh?

Sh stands for Bourne shell which is the original shell still used on UNIX system or UNIX like environment.

What is Bash?

Bash stands for Bourne Again Shell. After sh, bash was re-invented.

1. To know where bash is located in our system, type in terminal  
**which bash**
2. To create a file via terminal, use  
**touch filename**
3. To know the permissions to the file, use  
**ls -al**

Bash scripts are written in .sh file

create a .sh file, let say

**touch hello.sh**

In this file first line should be path of bash

```
#!/bin/bash
echo "hello"
```

here, echo is used for printing statements on terminal.

We run .sh file using following command

**./filename.sh**

**./hello.sh**

In this case hello.sh file will run only if it is executable else it gives permission error.  
So to change the permission of the file and make it executable, use

**chmod +x filename.sh**

**chmod +x hello.sh**