

Bash Practice Questions for Chapter 1: Create and Run Your First Bash Shell Script

These simple exercises will help you practice what you learned in the [first chapter](#) of the [Bash Beginner Series on Linux Handbook](#).

Exercise 1: Who are you?

Write a shell script in that prints your user name.

Difficulty level: Easy

Hint: Use echo command with USER environment variable.

Exercise 2: Where are you?

Write a shell script in that prints your current working directory.

Difficulty level: Easy

Hint: Use echo command with PWD environment variable.

Exercise 3: Where is your home?

Write a shell script in that prints the absolute path to your home directory.

Difficulty level: Easy

Hint: Use echo command with HOME environment variable.

Exercise 4: What is your default shell?

Write a shell script in that prints the default shell.

Difficulty level: Easy

Hint: Use echo command with SHELL environment variable.

Exercise 5: Tell me all about you

Write a shell script in that prints all of the above four questions, i.e. your user name, current working directory, home directory and default shell. Print all the answers in a separate line.

Difficulty level: Easy

To make things interesting, your output should be like this:

```
Hello
My name is XYZ
My current location is XYZ
My home directory is XYZ
My default shell is XYZ
```

You have to replace XYZ with actual values, of course.

Solutions to the Exercises

Solution 1: Who are you?

Write a shell script in that prints your user name.

```
#!/bin/bash

echo "$USER"
```

This \$USER is one of the environment variable which is already set in almost all Linux distributions.

Note that while the quotes are not important here, it is always a good practice to use double quotes with echo. More on the [use of quotes can be found here](#).

Solution 2: Where are you?

Write a shell script in that prints your current working directory.

```
#!/bin/bash

echo "$PWD"
```

Solution 3: Where is your home?

Write a shell script in that prints the absolute path to your home directory.

```
#!/bin/bash

echo "$HOME"
```

Solution 4: What is your default shell?

Write a shell script in that prints the default shell.

```
#!/bin/bash

echo "$SHELL"
```

Solution 5: Tell me all about you

Write a shell script in that prints all of the above four questions.

```
#!/bin/bash

echo "Hello"
echo "My name is $USER"
echo "My current location is $PWD"
echo "My home directory is $HOME"
echo "My default shell is $SHELL"
```