Bash Practice Questions for Chapter 2: Understanding Variables

These simple exercises will help you practice what you learned in the second chapter of the Bash Beginner Series on Linux Handbook.

Exercise 1: What is your full name?

Write a shell script in that asks for your full name and prints it.

Difficulty level: Easy

Hint: Use echo and read command.

Exercise 2: What is your age?

Write a shell script in that asks for your age and prints it.

Difficulty level: Easy

Hint: Use echo and read command for a storing your age as an integer in a variable.

Exercise 3: Do you like Apple Pie?

Write a command that prints the value of Pi. Demonstrate that it should not be changeable.

Difficulty level: Easy

Hint: Use read-only command to store the value of Pi (3.14159).

Exercise 4: What is today's date?

Write a shell script in that stores the current date in a variable and prints it.

Difficulty level: Easy

Hint: Use the date command to store in a variable and print it with echo.

Exercise 5: Your name and age with today's date

Write a shell script in that prints all the outputs for exercises 1, 2 and 4. Print all the answers in a separate line.

Difficulty level: Easy

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

```
 What is your name?
XYZ ABC
Hello XYZ ABC
What is your age?
44
So you are 44.
Today's date is Thursday 20 January 2022 12:55:23 PM IST
```

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

Solutions to the Exercises

Solution 1: What is your full name?

> Write a shell script in that asks for your full name and prints it.

```
#! /bin/bash

echo "What's your full name?"

read name

echo "Hello, $name"
```

It is always a good practice to use double quotes with echo. More on the [use of quotes can be found here](#).

Solution 2: What is your age?

> Write a shell script in that asks for your age and prints it.

```
#!/bin/bash

echo "What is your age?"
read age
echo "So you are $age years old"
```

Solution 3: Do you like Apple Pie?

> Write a command that prints the value of Pi. Demonstrate that it should not be changeable.

```
$ readonly PI=3.14159
$ echo "Pi value is $PI"
Pi value is 3.14159
$ PI=3.5
bash: PI: readonly variable
```

Solution 4: What is today's date?

> Write a shell script in that stores the current date in a variable and prints it.

```
#!/bin/bash

today=$(date)

echo "Today's date is $today"
```

Solution 5: Your name and age with today's date

> Write a shell script in that prints all of the outputs for exercises 1, 2 and 4. Print all the answers in a separate line.

```bash
#!/bin/bash

echo "What is your name?"
read name
echo "Hello $name"

echo "What is your age?"
read age
echo "So you are $age."

today=$(date)
echo "Today's date is $today"
```