

## Recursions

DO NOT WRITE TWO PROGRAMS! Write one program that contains both functions.

### Question #1

*(Print the digits in an integer reversely)* Write a recursive function that displays an integer value reversely on the console using the following header:

```
def reverseDisplay(value):
```

For example, invoking **reverseDisplay(12345)** displays **54321**. Write a test program that prompts the user to enter an integer and displays its reversal.

### Question #2

*(Decimal to hex)* Write a recursive function that converts a decimal number into a hex number as a string. The function header is as follows:

```
def decimalToHex(value):
```

Write a test program that prompts the user to enter a decimal number and displays its hex equivalent.