

## UIT2602 WEB PROGRAMMING

### Ex. No 03: Exercises for a Ruby programming

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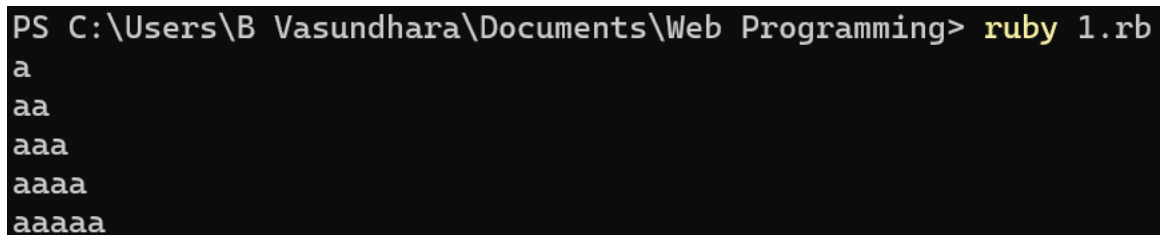
#### **Aim:**

The aim of this document is to provide concise Ruby scripts for performing various tasks, including string manipulation, file handling, user input processing, and data retrieval using hash structures. Each script addresses a specific functionality, demonstrating the versatility and practicality of Ruby programming.

#### **Code and Output:**

1.

```
def multiple_string(str, n)
  return str*n
end
print multiple_string('a', 1), "\n"
print multiple_string('a', 2), "\n"
print multiple_string('a', 3), "\n"
print multiple_string('a', 4), "\n"
print multiple_string('a', 5), "\n"
```



```
PS C:\Users\B Vasundhara\Documents\Web Programming> ruby 1.rb
a
aa
aaa
aaaa
aaaaa
```

2.

```
file = "/user/system/test.rb"
# file name
fbname = File.basename file
puts "File name: "+fbname

# basename
bname = File.basename file, ".rb"
puts "Base name: "+bname
# file extension
ffextn = File.extname file
puts "Extention: "+ffextn
# path name
path_name= File.dirname file
puts "Path name: "+path_name
```

```
PS C:\Users\B Vasundhara\Documents\Web Programming> ruby 2.rb
File name: test.rb
Base name: test
Extention: .rb
Path name: /user/system
```

3.

```
puts "Input your first name: "
fname = gets.chomp
puts "Input your last name: "
lname = gets.chomp
puts "Hello #{lname} #{fname}"
```

```
PS C:\Users\B Vasundhara\Documents\Web Programming> ruby 3.rb
Input your first name:
Vasundhara
Input your last name:
Boominathan
Hello Boominathan Vasundhara
```

4.

```
student_marks = Hash.new 0
student_marks['Literature'] = 74
student_marks['Science'] = 89
student_marks['Math'] = 91
total_marks = 0
student_marks.each {|key,value|
    total_marks +=value
}
puts "Total Marks: "+total_marks.to_s
```

```
PS C:\Users\B Vasundhara\Documents\Web Programming> ruby 4.rb
Total Marks: 254
```

5.

```
def temp(temp1, temp2)
    return ( temp1 < 0 && temp2 > 100 ) || ( temp1 > 100 && temp2 < 0 );
end
print temp(110, -1), "\n"
print temp(-1, 110), "\n"
print temp(2, 120)
```

```
PS C:\Users\B Vasundhara\Documents\Web Programming> ruby 5.rb
true
true
false
```

## Conclusion:

In conclusion, these Ruby scripts offer efficient solutions to common programming tasks, showcasing the language's simplicity and flexibility.