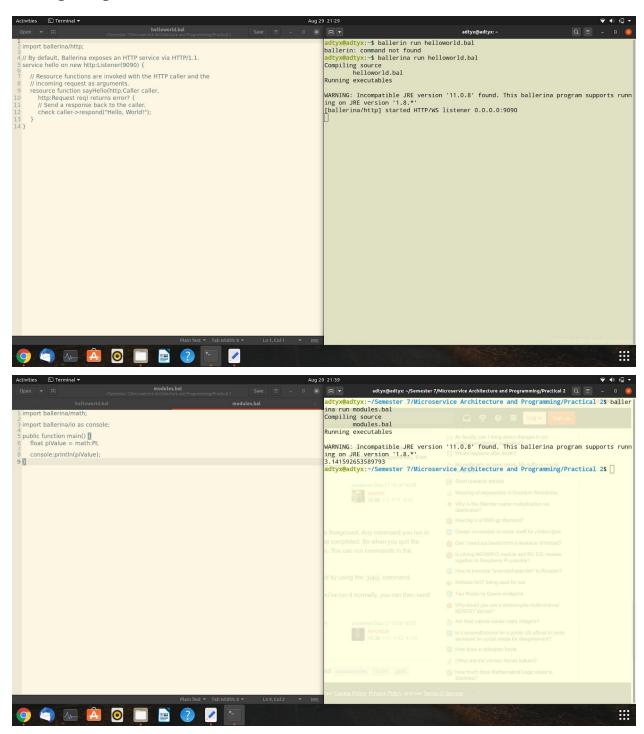
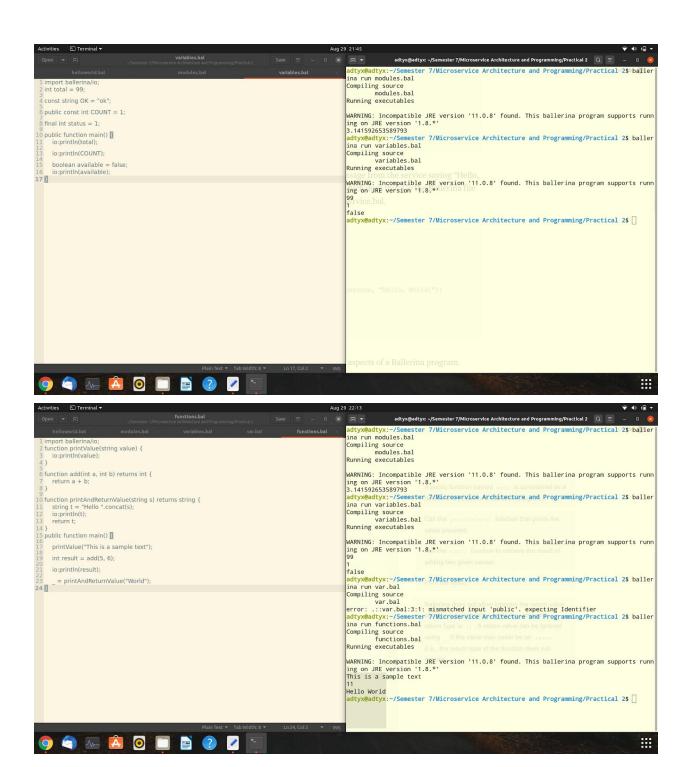
## Code/screens showing basic concepts of Ballerina Language





```
adtyx@adtyx: -/Semester 7/Microservice Architecture and Programming/Practical 2
                                                                                                                                                                                                         ester 7/Microservice Architecture and Programming/Practical 2$ baller
                                                                                                                                                                        ina run arrays.bal
Compiling source
arrays.bal
Running executables
2 public function main() {

3 int[] a = [];

4 io:println(a.length());
    int[] b = [1, 2, 3, 4, 5, 6, 7, 8];
io:println(b[0]);
io:println(b.length());
                                                                                                                                                                      WARNING: Incompatible JRE version '11.0.8' found. This ballerina program supports runn ing on JRE version '1.8.*'
    int[] bReveresed = b.reverse();
io:println("Reversed: ", bReveresed);
                                                                                                                                                                      8 Reversed: 8 7 6 5 4 3 2 1 Before pop: 1 2 3 4 5 6 7 8 9 first value of the two-dimensional array Popped value: 8 After pop: 1 2 3 4 5 6 7 Doubled: 2 4 6 8 10 12 14 98 an array with the fixed length of
    in-printin (Recrised, ) betweeteed, in-printin (Refore pop: ", b); int poppedValue = b,pop(); in-printin("Popped value: ", poppedValue); in-printin("After pop: ", b); int [] doubled = b,mapf(unction (int value) returns int { return value * 2; }.
                                                                                                                                                                       1000
    io:println("Doubled: ", doubled);
    b[999] = 23;
io:println(b[999]);
io:println(b.length());
                                                                                                                                                                       adtyx@adtyx:~/Semester 7/Microservice Architecture and Programming/Practical 2$
    int[][] iarray = [[1, 2, 3], [10, 20, 30], [5, 6, 7]];
io:println(iarray,length());
io:println(iarray[0],length());
    iarray = [];
    io:println(iarray[0][0]);
    int[5] e = [1, 2, 3, 4, 5];
io:println(e.length());
    int[*] g = [1, 2, 3, 4];
io:println(g.length());
        ***
```

## RESTful API implementation code/demo screens

