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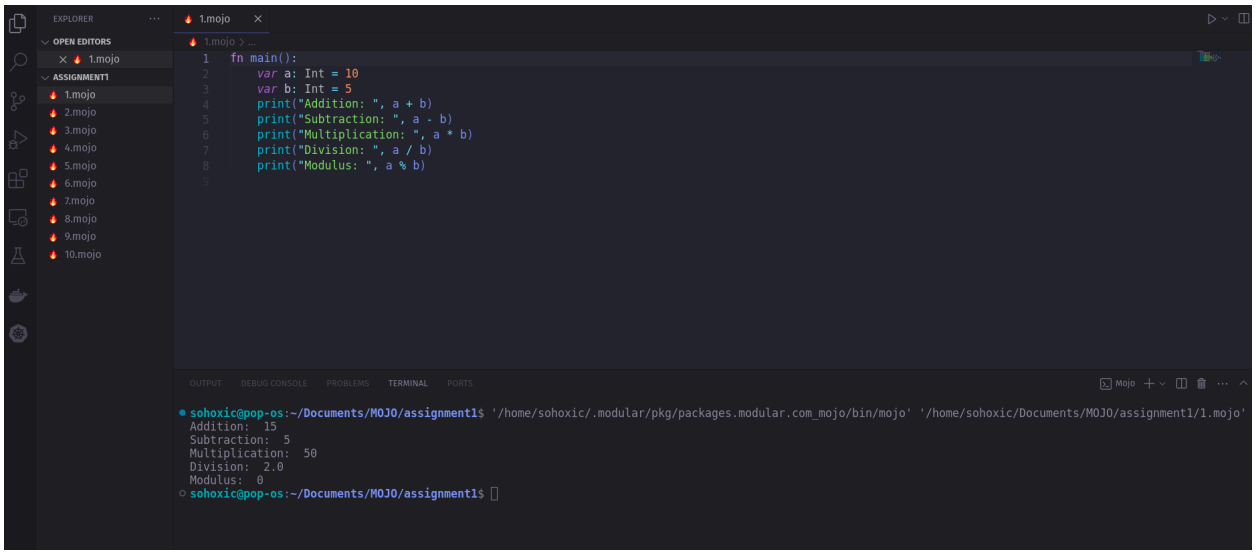
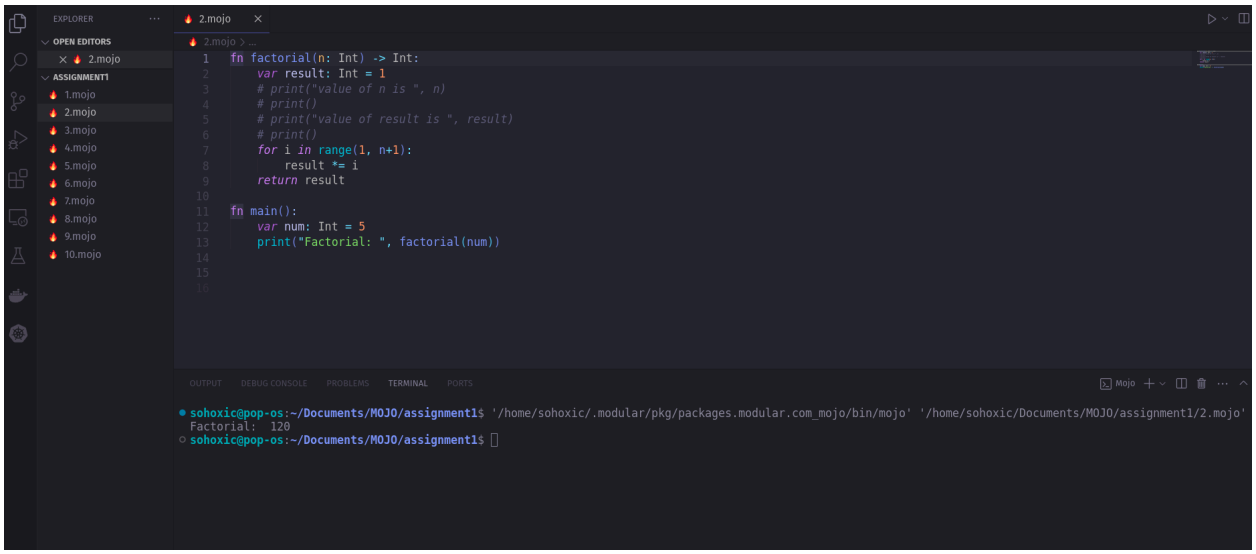
SRN: PES2UG21CS532
SECTION I
DATE: 01.07.24

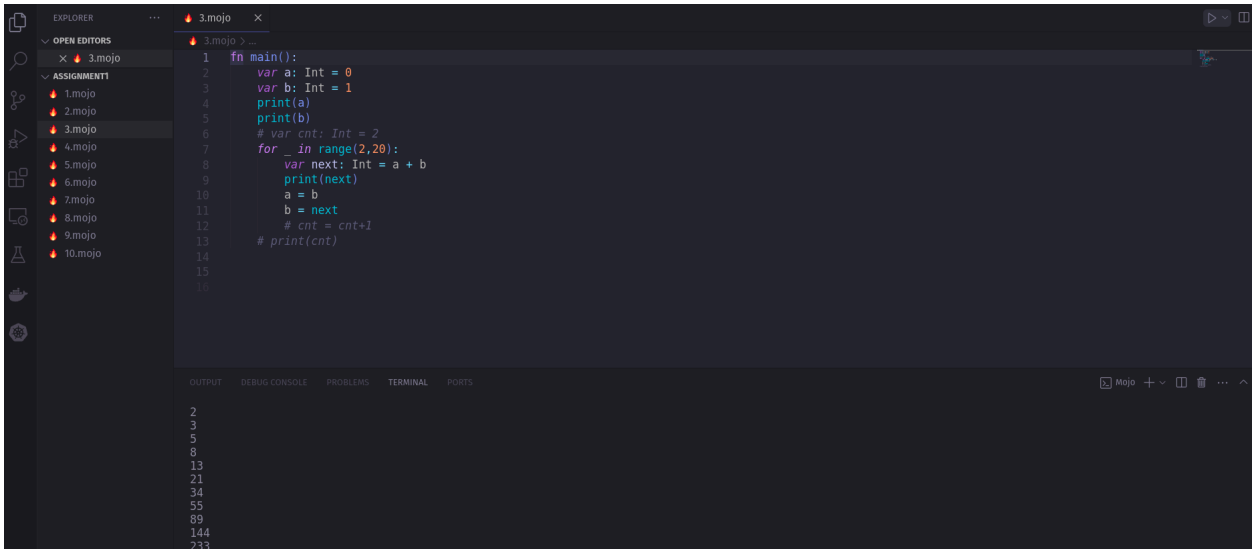
1.



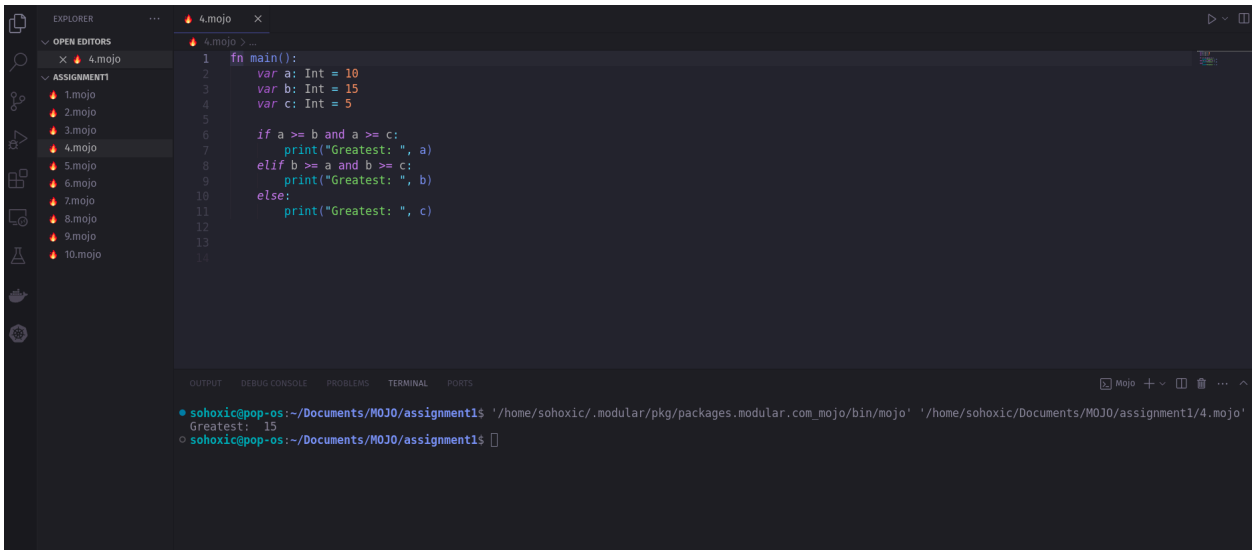
2.



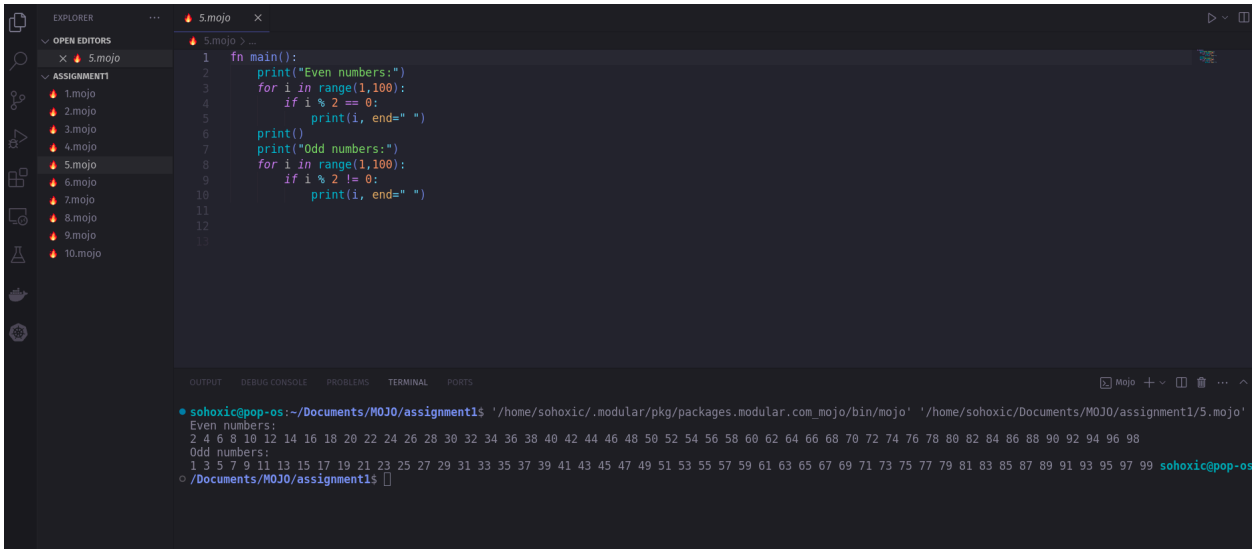
3.


EXPLORER
OPEN EDITORS
3.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
3.mojo > ...
fn main():
var a: Int = 0
var b: Int = 1
print(a)
print(b)
# var cnt: Int = 2
for _ in range(2,20):
var next: Int = a + b
print(next)
a = b
b = next
# cnt = cnt+1
# print(cnt)
OUTPUT
DEBUG CONSOLE
PROBLEMS
TERMINAL
PORTS
Mojo
2
3
5
8
13
21
34
55
89
144
233

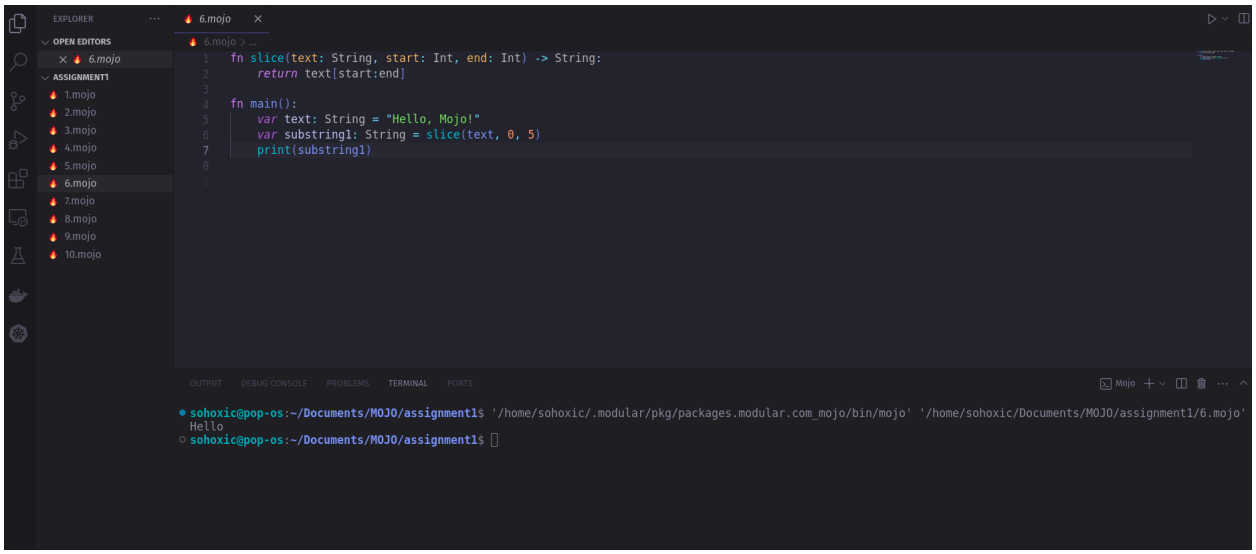
4.


EXPLORER
OPEN EDITORS
4.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
4.mojo > ...
fn main():
var a: Int = 10
var b: Int = 15
var c: Int = 5
if a >= b and a >= c:
print("Greatest: ", a)
elif b >= a and b >= c:
print("Greatest: ", b)
else:
print("Greatest: ", c)
OUTPUT
DEBUG CONSOLE
PROBLEMS
TERMINAL
PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/4.mojo'
Greatest: 15
sohoxic@pop-os:~/Documents/MOJO/assignment1$

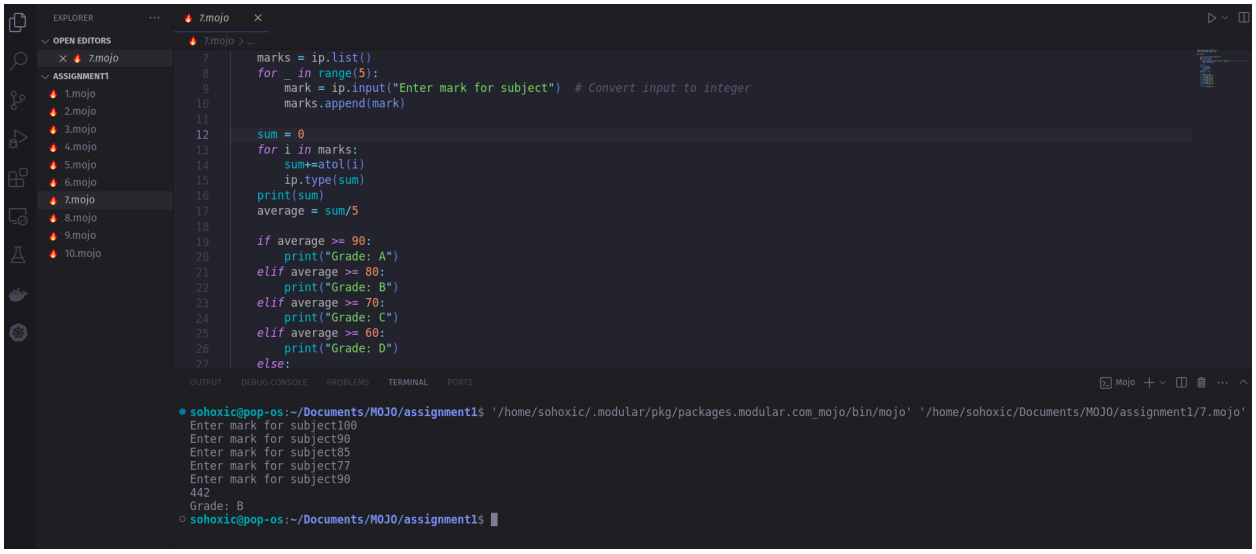
5.


EXPLORER
OPEN EDITORS
5.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
5.mojo > ...
fn main():
print("Even numbers:")
for i in range(1,100):
if i % 2 == 0:
print(i, end=" ")
print()
print("Odd numbers:")
for i in range(1,100):
if i % 2 != 0:
print(i, end=" ")
OUTPUT
DEBUG CONSOLE
PROBLEMS
TERMINAL
PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/5.mojo'
Even numbers:
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98
Odd numbers:
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99
/Documents/MOJO/assignment1$

6.


EXPLORER
OPEN EDITORS
6.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
6.mojo > ...
fn slice(text: String, start: Int, end: Int) -> String:
return text[start:end]
fn main():
var text: String = "Hello, Mojo!"
var substring1: String = slice(text, 0, 5)
print(substring1)
OUTPUT
DEBUG CONSOLE
PROBLEMS
TERMINAL
PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/6.mojo'
Hello
sohoxic@pop-os:~/Documents/MOJO/assignment1$

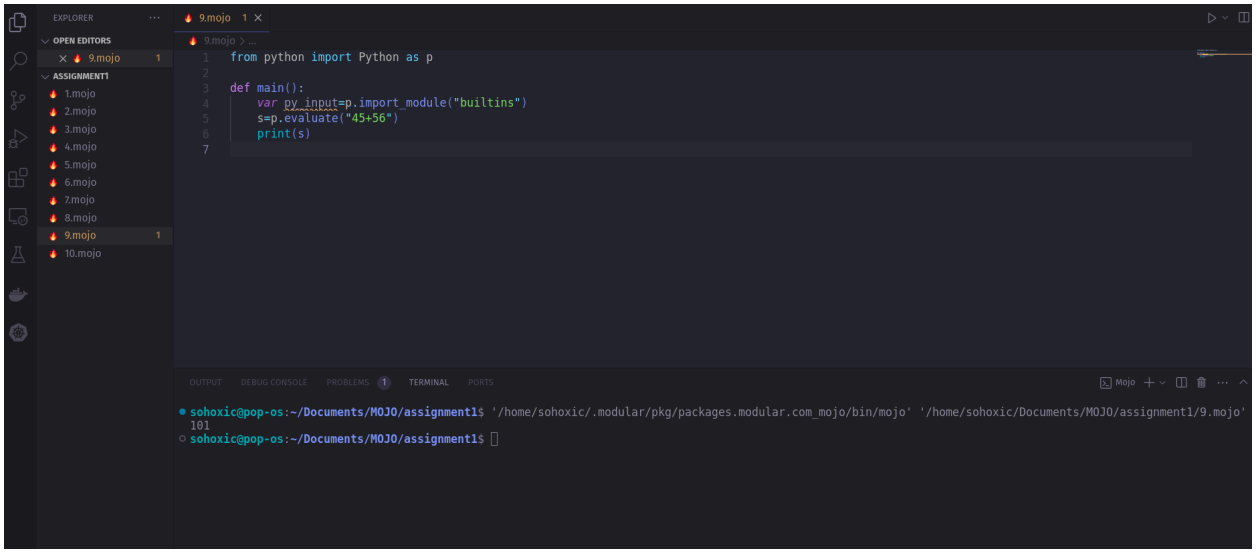
7.


EXPLORER
OPEN EDITORS
7.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
7.mojo > ...
marks = ip.list()
for _ in range(5):
mark = ip.input("Enter mark for subject") # Convert input to integer
marks.append(mark)
sum = 0
for i in marks:
sum+=atol(i)
ip.type(sum)
print(sum)
average = sum/5
if average >= 90:
print("Grade: A")
elif average >= 80:
print("Grade: B")
elif average >= 70:
print("Grade: C")
elif average >= 60:
print("Grade: D")
else:
OUTPUT DEBUG CONSOLE PROBLEMS TERMINAL PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/7.mojo'
Enter mark for subject100
Enter mark for subject90
Enter mark for subject85
Enter mark for subject77
Enter mark for subject90
442
Grade: B
sohoxic@pop-os:~/Documents/MOJO/assignment1$

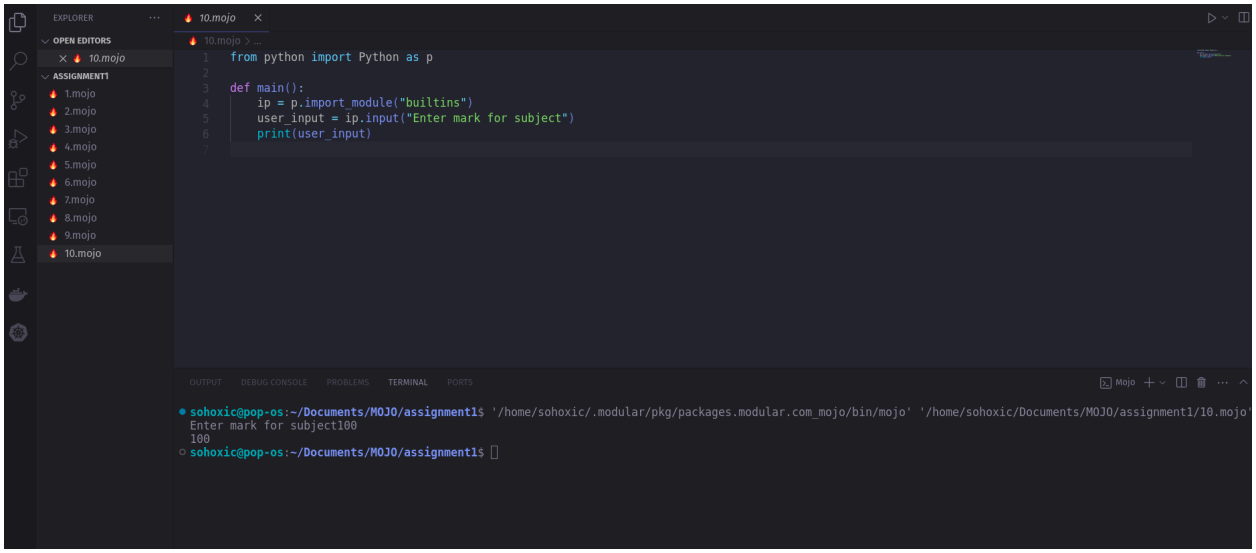
8.


EXPLORER
OPEN EDITORS
8.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
8.mojo > ...
from python import Python as p
def main():
ip = p.import_module("builtins")
a = atol(ip.input("Enter number 1 "))
b = atol(ip.input("Enter number 2 "))
if a == b:
print("a is equal to b")
elif a < b:
print("a is less than b")
else:
print("a is greater than b")
OUTPUT DEBUG CONSOLE PROBLEMS TERMINAL PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/8.mojo'
Enter number 1 10
Enter number 2 20
a is less than b
sohoxic@pop-os:~/Documents/MOJO/assignment1$

9.


EXPLORER
OPEN EDITORS
9.mojo 1
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo 1
10.mojo
9.mojo 1
9.mojo > ...
from python import Python as p
def main():
var py_input=p.import_module("builtins")
s=p.evaluate("45+56")
print(s)
OUTPUT
DEBUG CONSOLE
PROBLEMS 1
TERMINAL
PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/9.mojo'
101
sohoxic@pop-os:~/Documents/MOJO/assignment1$

10.


EXPLORER
OPEN EDITORS
10.mojo
ASSIGNMENT1
1.mojo
2.mojo
3.mojo
4.mojo
5.mojo
6.mojo
7.mojo
8.mojo
9.mojo
10.mojo
10.mojo
10.mojo > ...
from python import Python as p
def main():
ip = p.import_module("builtins")
user_input = ip.input("Enter mark for subject")
print(user_input)
OUTPUT
DEBUG CONSOLE
PROBLEMS
TERMINAL
PORTS
Mojo
sohoxic@pop-os:~/Documents/MOJO/assignment1$ '/home/sohoxic/.modular/pkg/packages.modular.com_mojo/bin/mojo' '/home/sohoxic/Documents/MOJO/assignment1/10.mojo'
Enter mark for subject100
100
sohoxic@pop-os:~/Documents/MOJO/assignment1$