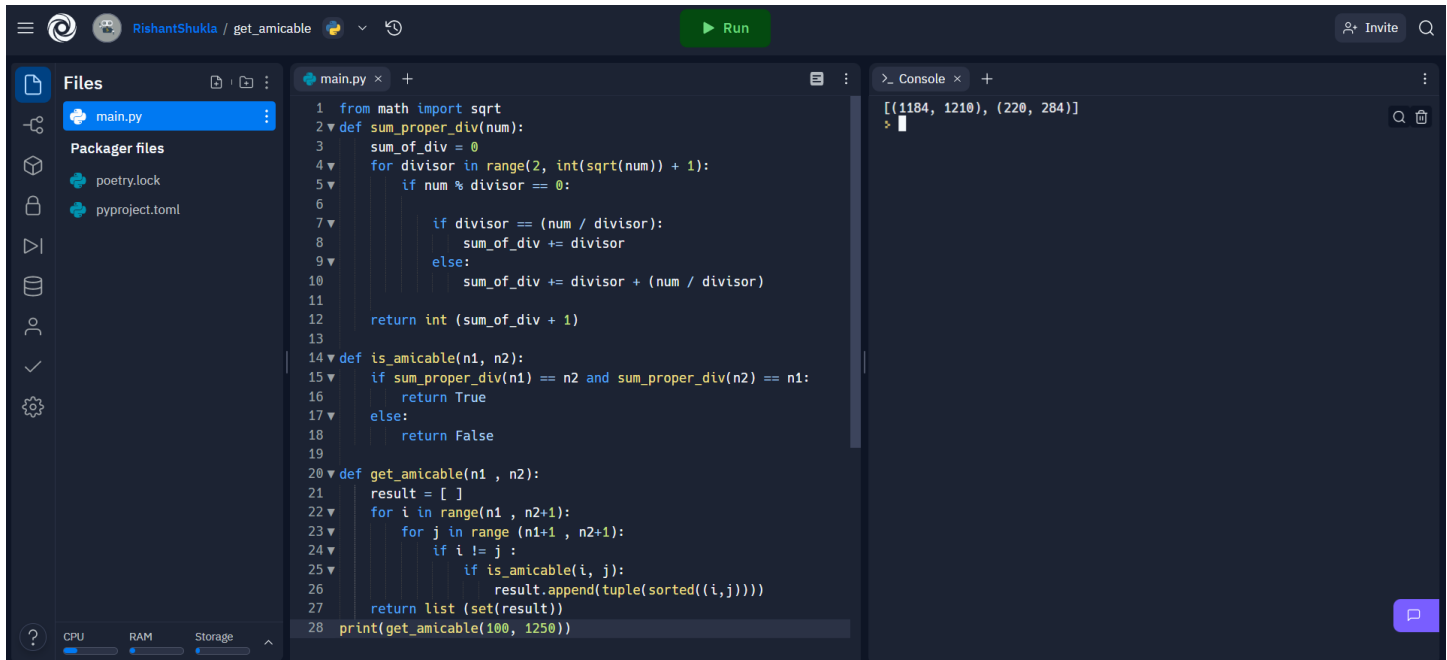



```
return list (set(result))

print(get_amicable(100, 1250))
```

3) Output (screenshots):



```
1 from math import sqrt
2 def sum_proper_div(num):
3     sum_of_div = 0
4     for divisor in range(2, int(sqrt(num)) + 1):
5         if num % divisor == 0:
6
7             if divisor == (num / divisor):
8                 sum_of_div += divisor
9             else:
10                sum_of_div += divisor + (num / divisor)
11
12    return int (sum_of_div + 1)
13
14 def is_amicable(n1, n2):
15     if sum_proper_div(n1) == n2 and sum_proper_div(n2) == n1:
16         return True
17     else:
18         return False
19
20 def get_amicable(n1 , n2):
21     result = [ ]
22     for i in range(n1 , n2+1):
23         for j in range (n1+1 , n2+1):
24             if i != j :
25                 if is_amicable(i, j):
26                     result.append(tuple(sorted((i,j))))
27     return list (set(result))
28 print(get_amicable(100, 1250))
```

Console Output: [(1184, 1210), (220, 284)]

4) Learning Outcomes (What I have learned):

1. Learned about Amicable numbers.
2. Learned how to import libraries.

Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		22
2.	Worksheet		8