



SCSA2601-Machine Learning and Data Analytics Lab

Dashboard / My courses / ML and DA / VIRTUAL PROGRAMMING CSE C1& D1 / 08.01.2022_Practice Learning Math Problems

Started on Tuesday, 11 January 2022, 2:09 PM

State Finished

Completed on Tuesday, 11 January 2022, 2:18 PM

Time taken 8 mins 46 secs

Marks 4.00/4.00

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write python code to find highest common factor among given two numbers.

Answer: (penalty regime: 0 %)

```
1 def cal_hcf(x, y):  
2     if x > y:  
3         smaller = y  
4     else:  
5         smaller = x  
6     for i in range(1, smaller + 1):  
7         if((x % i == 0) and (y % i == 0)):
```

Quiz navigation



Finish review



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3         smaller = y
4     else:
5         smaller = x
6     for i in range(1, smaller + 1):
7         if((x % i == 0) and (y % i == 0)):
8             hcf = i
9     return hcf
10
11 num1 = int(input())
12 num2 = int(input())
13 print("The H.C.F. is {}".format(cal_hcf(num1, num2)))
```



Finish review



Input	Expected	Got	
✓ 55 38 The H.C.F. is 1	55 38 The H.C.F. is 1	55 38 The H.C.F. is 1	✓
✓ 50 250 The H.C.F. is 50	50 250 The H.C.F. is 50	50 250 The H.C.F. is 50	✓
✓ 99 27 The H.C.F. is 9	99 27 The H.C.F. is 9	99 27 The H.C.F. is 9	✓

Passed all tests! ✓

Question author's solution (Python3):

```
1 def compute_hcf(x, y):
2     if x > y:
3         smaller = y
4     else:
5         smaller = x
6     for i in range(1, smaller+1):
7         if((x % i == 0) and (y % i == 0)):
8             hcf = i
9     return hcf
10 num1 = int(input())
11 num2 = int(input())
12 print("The H.C.F. is", compute_hcf(num1, num2))
```

✓

Marks for this submission: 1.00/1.00.