Loops Problems

Doubt Session (optional) ls sunday

Agenda

- Pass
- Print sep =
- Factors of a number 2
- Check Prime
- Break
- 3 Loop Control Continue Statements
- Random Game

Factors & Prime Numbers

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- I is a factor of every number - Every number is divisible by Itself

2 factors atleast - [1, N]

Number with exactly 2 factors -> Prime

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37 ---

Numbers that have >2 factors -> Comparite

10,6,9,15 ...

1

Factors of 1 = 1

Neuther Prime Nor Composite

Print all factors

N > Smallest feetor = N

Pactour are soins to be in

the range = [1,N]

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Heroter over this range & check
if your number (i) is a factor of N

for i in range (1, NH):

Check if i is a factor of N

if N: i == 0

Print (i)

Break till 10:05 PM

Which of the following is NOT a valid output for this code snippet?

```
import random
                                            Random nums
 while True:
                                            S to 15
     r = random.randint(5, 15)
     if r % 3 == 0:
                                   -> Skip 6,9,12,15
        continue
    print(r, end=' ') → Print
     if r == 10 or r == 15:
        break
                                           Option C is not fossible
A. 13 7 7 13 8 10
B. 5 14 7 7 13 14 10
C. 7 11 7 5 15
D. 14 5 8 11 7 14 13 10
```

Doubts

Thank You

Infinite Loop

while 10 > 5:

print ("Nello") - Infinite times

10 >5 -> True

while true:

print ("Hello")

-> Infinite times

0000 -> 0

Friday