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Preview Code Blame 239 lines (239 loc) · 5.48 KB Code 55% faster with GitHub Copilot Raw

In [ ]:
```
x = 5
if x < 10:
 print('Smaller')
if x > 20:
 print('Bigger')
print('Finis')
```

```
Smaller
Finis
```

In [ ]:
```
x = 5
if x == 5 :
 print('Equals 5')
if x > 4 :
 print('Greater than 4')
if x >= 5 :
 print('Greater than or Equals 5')
if x < 6 : print('Less than 6')
if x <= 5 :
 print('Less than or Equals 5')
if x != 6 :
```

In [ ]:
```
x = 5
print('Before 5')
if x == 5 :
 print('Is 5')
print('Is Still 5')
print('Third 5')
print('Afterwards 5')
print('Before 6')
if x == 6 :
 print('Is 6')
print('Is Still 6')
print('Third 6')
print('Afterwards 6')
```

```
Before 5
Is 5
Is Still 5
Third 5
Afterwards 5
Before 6
Is Still 6
Third 6
Afterwards 6
```

In [ ]:
```
x = 42
if x > 1 :
 print('More than one')
if x < 100 :
 print('Less than 100')
print('All done')
```

```
ifx < 2 :
print('small')
elifx < 10 :
print('Medium')
else:
print('LARGE')
print('All done')
```

In [ ]:
```
x = 5
if x < 2 :
 print('Small')
elif x < 10 :
 print('Medium')
print('All done')
```

```
Medium
All done
```

In [ ]:
```
astr= 'Hello Bob'
try:
istr= int(astr)
except:
istr= -1
print('First', istr)
astr= '123'
try:
istr= int(astr)
except:
istr= -1
```

Open in Colab

In [ ]:
```
def thing():
    print('Hello')
    print('Fun')
thing()
print('Zip')
thing()
```

```
Hello
Fun
Zip
Hello
Fun
```

In [ ]:
```
x= 5
print('Hello')
def print_lyrics():
     print("I'm a lumberjack, and I'm okay.")
print('I sleep all night and I work all day.')
print('Yo')
x= x+2
print(x)
```

In [ ]:
```
x= 5
print('Hello')
def print_lyrics():
     print("I'm a lumberjack, and I'm okay.")
print('I sleep all night and I work all day.')
print('Yo')
print_lyrics()
x= x+2
print(x)
```

```
Hello
I sleep all night and I work all day.
Yo
I'm a lumberjack, and I'm okay.
7
```

In [ ]:
```
def greet(lang):
 if lang == 'es':
      print('Hola')
 elif lang == 'fr':
       print('Bonjour')
 else:
     print('Hello')
```

In [ ]:
```
def greet():
 return "Hello"
print(greet(), "Glenn")
print(greet(), "Sally")
```

In [ ]:
```
def addtwo(a, b):
  added = a+ b
  return added
  x = addtwo(3, 5)
  print(x)
```

In [ ]:
```
def computepay(hours, rate):
    if hours <= 40:
        pay = hours * rate
    else:
        regular_hours = 40
        overtime_hours = hours - 40
        pay = (regular_hours * rate) + (overtime_hours * 1.5 * rate)
    return pay

try:
    hours = float(input("Enter Hours: "))
    rate = float(input("Enter Rate: "))
    total_pay = computepay(hours, rate)
    print("Pay:", total_pay)
except ValueError:
    print("Please enter valid numeric input for hours and rate.")
```

```
Enter Hours: 14
Enter Rate: 555
Pay: 7770.0
```

In [ ]:

```
n=5
while n>0:
 print(n)
 n = n-1
print('Blastoff!')
print(n)
```

```
5
4
3
2
1
Blastoff!
0
```

```
n=0
while n>0:
 print('Lather')
print('Rinse')
print('Dry off!')
```

```
while True:
 line=input('> ')
if line=='done':
    break
print(line)
print('Done!')
```

```
while True:
 line=input('> ')
ifline[0]== '#':
continue
if line=='done':
break
print(line)
print('Done!')
```

```
for i in [5, 4, 3, 2, 1] :
 print(i)
print('Blastoff!')
```

```
print('Before', largest_so_far)
for the_num in [9, 41, 12, 3, 74, 15] :
 if the_num > largest_so_far:
  largest_so_far= the_num
print(largest_so_far, the_num)
print('After', largest_so_far)
```

```
fore -1
 15
ter 74
```

```
zork = 0
print('Before', zork)
for thing in [9, 41, 12, 3, 74, 15] :
 zork = zork + 1
print(zork, thing)
print('After', zork)
```

```
fore 0
15
ter 6
```

```
zork = 0
print('Before', zork)
for thing in [9, 41, 12, 3, 74, 15] :
 zork = zork + thing
print(zork, thing)
print('After', zork)
```

Open in Colab

In [ ]:
```
fruit= 'banana'
letter= fruit[1]
print(letter)

x= 3
w= fruit[x-1]
print(w)
```

```
a
n
```

In [ ]:
```
fruit = 'banana'
x = len(fruit)
print(x)
```

```
6
```

In [ ]:
```
fruit = 'banana'
index= 0
whileindex< len(fruit):
letter= fruit[index]
print(index, letter)
```

In [ ]:
```
fruit = 'banana'
for letter in fruit:
 print(letter)
 index= 0
whileindex< len(fruit) :
letter= fruit[index]
print(letter)
index= index+1
```

In [ ]:
```
word = 'banana'
count = 0
for letter in word :
 if letter == 'a' :
  count = count + 1
print(count)
```

```
3
```

In [ ]:
```
if word=='banana':
 print('All right, bananas.')
if word<'banana':
 print('Your word,'+word+', comes before banana.')
elifword>'banana':
print('Your word,'+word+', comes after banana.')
else:
print('All right, bananas.')
```

In [ ]:
```
line = 'Please have a nice day'
line.startswith('Please')
True
line.startswith('p')
```

In [ ]:
```
greet=' Hello Bob '
greet.lstrip()
'Hello Bob '
greet.rstrip()
' Hello Bob'
greet.strip()
```

In [ ]:
```
greet = 'Hello Bob'
nstr= greet.replace('Bob','Jane')
print(nstr)
nstr= greet.replace('o','X')
print(nstr)
```