

Sakshi Divakar

Ass of day 4-

Q.1-def calculate_hcf(x, y):

 if x > y:

 smaller = y

 else:

 for i in range(1,smaller + 1):

 if((x % i == 0) and (y % i == 0)):

 hcf = i

 return hcf

num1 = int(input("Enter first number: "))

num2 = int(input("Enter second number: "))

print("The H.C.F. of", num1,"and", num2,"is", calculate_hcf(num1, num2))

output-

num1=8

num2=12

The H.C.F. of 8 and 12 is 4.

Q.2-

i=0

def change(i):

 i=i+1

 return i

 change(1)

 print(i)

output-b)nothing is displayed.

Q.3-

def a(b):

 b=b+[5]

 c=[1,2,3,4]

 a(c)

```
print(len(c))
```

output-nothing is displayed.

Q.4-

```
a=10
```

```
b=20
```

```
def change():
```

```
    global b
```

```
    a=45
```

```
    b=56
```

```
    change()
```

```
    print(a)
```

```
    print(b)
```

output-a)10

56

Q.5-

```
def change(i=1,j=2):
```

```
    i=i+j
```

```
    j=j+1
```

```
    print(i,j)
```

```
    change(j=1,i=2)
```

output-a) or c)