Q1. Python program to print Highest Common Factor (HCF) of two numbers

Example : Take values according to you

```
In []: def calc_hcf(n1,n2):
  if n1 > n2:
    small = n2
  else:
    small = n1
  for i in range(1,small + 1):
    if((n1 % i == 0) and (n2 % i == 0)):
      result = i
  return result
number1 = int(input("ENTER FIRST NUMBER : "))
number2 = int(input("ENTER SECOND NUMBER : "))
print("THE HCF OF ",number1," AND ",number2," IS : ",calc_hcf(number1,
number2))
```

Q2. What will be the output of the following Python code?

```
i=0

def change(i):

 i=i+1

return i

change(1)

 print(i)
```

a) 1

b) Nothing is displayed

c) 0

d) An exception is thrown

In [ ]:C

3. What will be the output of the following Python code?

```
def a(b):

        b = b + [5]

c = [1, 2, 3, 4]

 a(c)

print(len(c))
```

In [ ]:4

4. What will be the output of the following Python code?

```python
a=10
b=20
def change():
        global b
        a=45
        b=56
change()
print(a)
print(b)
```

a)

10

56

b)

45

56

c)

10

20

d) Syntax Error

5. What will be the output of the following Python code?

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

a) An exception is thrown because of conflicting values

b) 1 2

c) 3 3

d) 3 2

In [ ]:d