Consider the following program:

```python
def divide(x,y):
    print("in function...")
    #### scope Q3
    if x > y:
        z = x / y
    else:
        z = y / x

    #### stack Q1

    return z

def main():
    a = 17
    b = 5
    print("in main...")
    result = divide(a,b)
    #### scope Q2
    print("Result: " + str(result))

main()
```

1. Draw the stack as it appears when the program reaches the line `#stack Q1`.
2. For the line `#scope Q2`, what variables are currently in scope? That is, what variables can you refer to without getting a runtime error?
3. For the line `#scope Q3`, what variables are currently in scope?
4. What output is produced by the whole program?