Consider the following program:

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

def main():
    a = 7
    b = 23
    print "in main..."
    result = divide(a, b)
    print "The result is:", 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?
3. For the line `### scope Q3`, what variables are currently in scope?
4. What output is produced by the whole program?