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Write a program to calculate harmonic mean (F-measure) and E-measure

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In [1]: def f_measure(precision, recall):
        if precision + recall == 0:
            return 0
        return 2 * (precision * recall) / (precision + recall)

        def e_measure(precision, recall, beta=1):
            if precision == 0 and recall == 0:
                return 0
            return (1 + beta**2) * (precision * recall) / ((beta**2 * precision) + recall)

        # Example usage:
        precision = 0.8
        recall = 0.75
        beta = 1

        f_score = f_measure(precision, recall)
        e_score = e_measure(precision, recall, beta)

        print(f"F-Measure: {f_score:.2f}")
        print(f"E-Measure (with beta={beta}): {e_score:.2f}")
```

F-Measure: 0.77

E-Measure (with beta=1): 0.77