**Name** – Devansh Shah

**Batch** - B2

**Roll no**. - 1914078

**Q49)** If Rxy = 0.143 and the sum of squares of the differences between the ranks is 48, find N.

**Ans:**

Rank correlation coefficient (Rxy) = 0.143

Sum of squares of difference between the ranks ( = 48

To find : Number of observations (N)

R = (By formula)

Solving this cubic equation and neglecting the imaginary roots we get,

**Ans) N = 7**