

# Assignment 3

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**Question:** The following table gives the lifetime of 400 neon lamps:

Lifetime(in hrs)	No.of lamps
300 – 400	14
400 – 500	56
500 – 600	60
600 – 700	86
700 – 800	74
800 – 900	62
900 – 1000	48

TABLE I  
GIVEN DATA

(ii) Clearly, from the Table I, The number of lamps that have a lifetime of more than 700 hours would be

$$= 74 + 62 + 48 \quad (1)$$

$$= 184 \quad (2)$$

- (i) Represent the given information with the help of a histogram.  
 (ii) How many lamps have a lifetime of more than 700 hours?

**Solution:**

- (i) Representation of given information in the form of histogram:

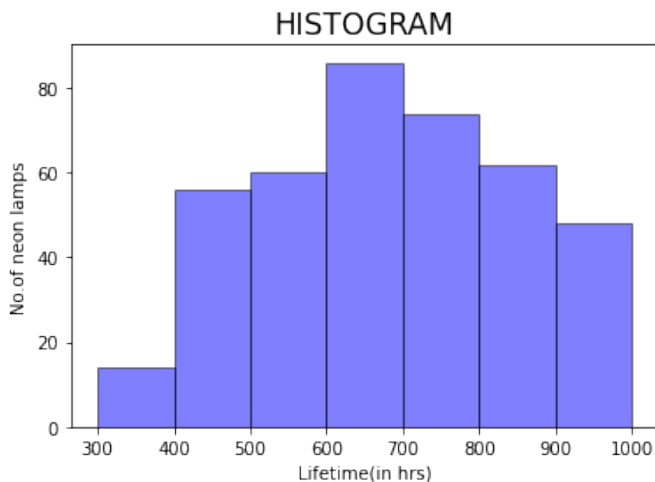


Fig. 1. Histogram