

Assignment 1

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Download all python codes from
<https://github.com/diya-goyal-29/AI1103/tree/main/Assignement%201/Code>

and latex - tikz codes from
 enter path for latex code

Question 1.19 :

Harpreet tosses two different coins simultaneously (say, one is of rupee 1 and other of rupees 2). What is the probability that she gets at least one head?

Solution :

The total no. of outcomes = 4

{HH, HT, TH, TT}

We need to find,

Probability of at least one head.

$$P(\text{atleastonehead}) = 1 - P(\text{Twotails}) = 1 - \frac{1}{4} = \frac{3}{4} = 0.75$$

(1)