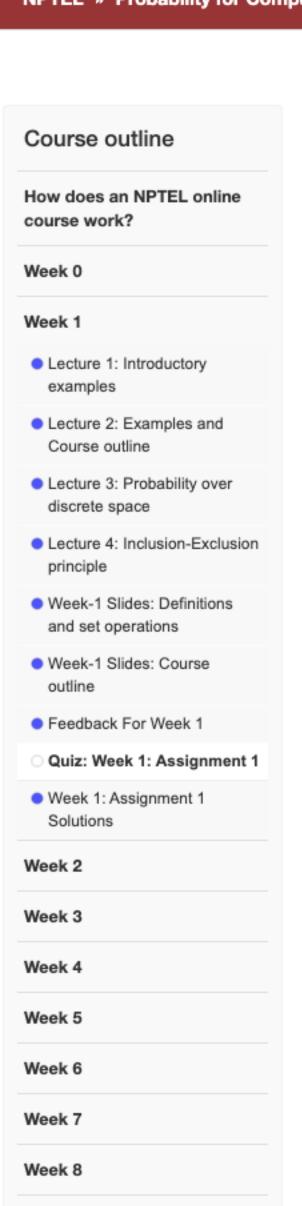
Mentor



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LIVE Session

Week 1: Assignment 1 The due date for submitting this assignment has passed. Due on 2021-09-08, 23:59 IST. As per our records you have not submitted this assignment. 1) If 8 coins fall to the floor, what is the probability that there are four heads and four tails? 1 point 35/256 67/256 35/128 53/128 No, the answer is incorrect. Score: 0 Accepted Answers: 35/128 2) A number is perfect if it is equal to the sum of all its proper divisors (i.e. excluding itself). We roll 1 point two standard 6 sided dice. What is the probability that the product of numbers that appear on the two faces is a perfect number? 5/36 0 1/9 0 1/12 2/3 No, the answer is incorrect. Score: 0 Accepted Answers: 1/9 3) A pack of 52 cards has been dealt to 4 players. What is the probability that one of the players 1 point receives all 13 spades? $1/\binom{52}{4}$ $4/\binom{52}{4}$ $4/\binom{52}{13}$ No, the answer is incorrect. Score: 0 Accepted Answers: 4/(52) 4) A deck of cards is shuffled and the cards are drawn one at a time until a Queen appears. If we draw 1 point another card, what is more likely, that the next card is Queen of clubs or that it is the King of hearts? Queen of clubs King of hearts Both of them are equally likely Cannot be determined No, the answer is incorrect. Score: 0 Accepted Answers: Both of them are equally likely 5) Suppose 3 people get their hats returned in random order. What is the probability that at least 1 point one of them gets the correct hat? 2/3 0 1/3 2/7 3/4 No, the answer is incorrect. Score: 0 Accepted Answers: 2/3