

Fundamentals of Python Programming

Assignment #3

Deadline: October 25, 2024 | 06:00 PM

Note: Ensure that you answer all the questions and write the code cleanly and concisely. Do not forget to include your name in your notebook title.

Exercise 1: Number Guessing Game

Write a program that chooses a random integer between 0 and 100 (inclusive).

Then ask the user to guess what number has been chosen.

Each time the user enters a guess, the program indicates one of the following:

- Too high
- Too low
- Just right

If the user guesses correctly, the program exits. Otherwise, the user is asked to try again.

The program only exits after the user guesses correctly.

Exercise 2: Movie Ticket Pricing

Write a program for a movie theater to determine the ticket price based on the customer's age.

The pricing rules are as follows:

1. The regular ticket price is \$20.
2. Children under 14 years old get a 50% discount.

3. Seniors aged 65 and above get a 30% discount.

The program should:

1. Asks the user for their age.
2. Calculates and prints the ticket price according to the above rules.