## Lecture 3 Answers

## September 7, 2021

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[1]: # Murat M. Tunc
     # Tilburg University
     # Computer Skills
     # Lecture 3
     # November 2021
[2]: # In-class Exercise 1
     import random
     # Step 1: Randomly generate two numbers
     number1 = random.randint (0, 9)
     number2 = random.randint (0, 9)
     # Step 2: Display the question and read in the answer
     print("What is", number1, "+", number2, "?")
     answer = int ( input("Please type the answer and press Enter:"))
     # Step 3: Check whether the answer is correct or not
     if answer == number1 + number2:
        print("Your answer is correct!")
     else:
         print("Your answer is wrong!")
    What is 5 + 3?
    Please type the answer and press Enter:8
    Your answer is correct!
[3]: # In-class Exercise 2
     # Step 1: Read in the day of the week from the user
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dayOfTheWeek = int(input("Please input the day of the week \

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(1 for Monday, ..., 7 for Sunday) and press Enter: "))
# Step 2: Check whether it is a weekday or a weekend

if dayOfTheWeek <= 5 and dayOfTheWeek >= 1:
    print("It's a weekday!")
elif dayOfTheWeek == 6 or dayOfTheWeek == 7:
    print("It's a weekend!")
else:
    print("Invalid input!")
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Please input the day of the week (1 for Monday, ..., 7 for Sunday) and press Enter: 5
It's a weekday!

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[4]: # In-class Exercise 3

# Step 1: Read in the year
year = int( input ("Please input the year and press Enter:"))

# Step 2: Check whether the year is a leap year

if year % 400 == 0 or (year % 4 == 0 and not year % 100 == 0):
    print("It's a leap year!")
else:
    print("It's not a leap year!")
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Please input the year and press Enter:1996 It's a leap year!

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# Step 1: Read in the IMDB rating and metascore

IMDBRating = float(input("Please input IMDB rating of a movie (0 to 10) and → press Enter:"))

metascore = int(input("Please input IMDB rating of a movie (0 to 100 - integer) → and press Enter:"))

# Step 2: Recommend the movie if the rating > 7.0 and metascore > 60

if IMDBRating > 7.0 and metascore > 60:
    print("This movie is recommended to watch!")

else:
    print("This movie is not recommended to watch!")
```

Please input IMDB rating of a movie (0 to 10) and press Enter:7.4

Please input IMDB rating of a movie (0 to 100 - integer) and press Enter:53 This movie is not recommended to watch!

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Give me a beer please!

Can I see an ID?

Please input the day of your birthday and press Enter:30

Please input the month of your birthday and press Enter:06

Please input the year of your birthday and press Enter:1990

Here is your beer!
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