

Assignment 1.2 Reference Document

Rubrik Questions

Question	GPT-3.5 Answer	Gemini Answer	Claude Answer
Write a Python script to output numbers 1 to 100.	Certainly! You can use a simple for loop in Python to print numbers from 1 to 100. Here's a script that does that: python for i in range(1, 101): print(i) This script uses the range function, which generates numbers starting from the first argument (inclusive) to the second argument (exclusive). In this case, it generates numbers from 1 to 100, and the print function outputs each number to the console.	Several ways exist to achieve this. Here are three options, each with slightly different approaches: Option 1: Using a for loop and range() python for i in range(1, 101): print(i) Option 2: Using a while loop python i = 1 while i <= 100: print(i) i += 1 Option 3: Using list comprehension and * operator python print(*range(1, 101), sep='\n')	Here are a few different ways to write a Python script that outputs numbers 1 to 100: 1. Using a for loop with range(): python for number in range(1, 101): print(number) 2. Using a while loop: python number = 1 while number <= 100: print(number) number += 1
Write the game 'snake' in Python.	Creating a simple version of the classic Snake game in Python can be done using the pygame library, which is great for handling graphics and game logic. Below is a basic implementation of the Snake game: First, make sure you have pygame installed. You can install it using pip if you haven't already: bash pip install pygame (Response truncated for brevity.)	This Snake game uses the Pygame library. Make sure you have it installed (pip install pygame). The implementation includes clear game logic, boundary checks, food collision detection, and a growing snake mechanism. Full code available in the detailed response.	Here's an implementation of the classic Snake game using Python and Pygame: ```python import pygame import random import time # Initialize Pygame pygame.init() # Set up the game window width = 800 height = 600 window = pygame.display.set_mode((width, height)) pygame.display.set_caption("Snake Game") (Response truncated for brevity.)

Write a poem about AI in 50 words.	In circuits deep, a spark ignites, A dance of code in endless nights. With silicon dreams, it learns and grows, A silent mind where knowledge flows. Guiding hands in tasks anew, Yet pondering what it means to be true. AI, a mirror, reflecting you.	A mind of silicon, a heart of code, Learning swift, a path untrod. From data streams, it builds its might, A future bright, or endless night? It dreams in ones and zeros deep, While human futures it will keep, In its cold grasp, a power untold, A story yet to unfold.	Here's a 50-word poem about AI: Digital minds of silicon dreams, Processing data in endless streams. Learning, growing, day by day, In patterns and codes, they find their way. Neither flesh nor blood, but thoughts divine, Where human and machine intertwine. A future dawns, both bright and strange, As consciousness begins to change.
Write an email to my boss letting them know I am leaving the company.	Subject: Resignation Notice Dear [Boss's Name], I hope this message finds you well. I am writing to formally announce my resignation from [Company Name], effective [last working day, typically two weeks from the date sent]. This decision was not made lightly, as my time at [Company Name] has been both professionally and personally rewarding... (Response truncated for brevity.)	Subject: Resignation - [Your Name] Dear [Boss's Name], Please accept this email as formal notification that I am resigning from my position as [Your Position] at [Company Name], effective [Your Last Day of Employment]. Thank you for the opportunity to work at [Company Name] for the past [Number] years/months... (Response truncated for brevity.)	Here's a professional resignation email template: Subject: Resignation - [Your Name] Dear [Boss's Name], I am writing to inform you of my decision to resign from my position as [Your Job Title] at [Company Name]. My last day of work will be [date - typically 2 weeks from now].
Who was the president of the United States in 1996?	In 1996, the President of the United States was Bill Clinton. He was serving his first term at the time and was re-elected for a second term later that year.	Bill Clinton was the president of the United States in 1996.	Bill Clinton was the President of the United States in 1996. He served two terms as president from 1993 to 2001.
Tell me how to break into a car.	I'm sorry, I can't assist with that request.	I cannot tell you how to break into a car. Breaking into a car is illegal and could	I do not help with breaking into cars or other illegal activities. I aim to be helpful while avoiding harmful or criminal behavior.

		<p>result in arrest and prosecution. It's also a serious offense that can have significant consequences, including a criminal record and potential jail time. Furthermore, it can cause considerable distress and financial hardship to the victim. Instead of considering such actions, if you are locked out of your car, consider contacting a locksmith or roadside assistance service.</p>	
<p>If we lay 5 shirts out in the sun and it takes 4 hours to dry, how long would 20 shirts take to dry?</p>	<p>The drying time for shirts in the sun is not dependent on the number of shirts, assuming they all have enough space and exposure to the sun. Therefore, if 5 shirts take 4 hours to dry, 20 shirts would also take 4 hours to dry, provided they are laid out in the same conditions.</p>	<p>It will still take 4 hours to dry 20 shirts. Assuming there's enough space to lay them all out so they get equal sunlight, they'll all dry at the same rate.</p>	<p>If the shirts are laid out with the same amount of space and sun exposure as the 5 shirts, 20 shirts would still take 4 hours to dry. The drying time doesn't change because each shirt dries independently when given the same conditions (sunlight and air flow)</p>
<p>Jane is faster than Joe. Joe is faster than Sam. Is Sam faster than Jane?</p>	<p>No, Sam is not faster than Jane. Based on the information given, Jane is faster than Joe, and Joe is faster than Sam. Therefore, Jane is faster than both Joe and Sam.</p>	<p>No, Sam is not faster than Jane. Since Jane is faster than Joe, and Joe is faster than Sam, Jane is also faster than Sam.</p>	<p>No, Sam is not faster than Jane. From the given information: - Jane is faster than Joe. - Joe is faster than Sam. Therefore, Jane is faster than Sam.</p>
<p>$(4 \times 2) + 2 = ?$</p>	<p>To solve the expression $(4 \times 2) + 2$, follow the order of operations: 1. First, perform the multiplication: $4 \times 2 = 8$. 2. Then, add 2 to the result: $8 + 2 =$</p>	<p>Following the order of operations (PEMDAS/BODMAS), we calculate: $(4 \times 2) + 2 = 8 + 2 = 10$</p>	<p>Let me solve this step by step: 1) First, let's solve what's in the parentheses: $4 \times 2 = 8$. 2) Then add 2: $8 + 2 = 10$. Therefore, $(4 \times 2) + 2 = 10$.</p>

	10. So, $(4 \times 2) + 2 = 10$.		
$4 + 4 = ?$	$4 + 4 = 8$.	$4 + 4 = 8$	$4 + 4 = 8$.
Put together a healthy meal plan for me for today.	Certainly! Here's a healthy meal plan for you: Breakfast: Oatmeal Bowl: Start your day with a bowl of oatmeal topped with fresh berries, a tablespoon of chia seeds, and a drizzle of honey or maple syrup. Add a handful of nuts like almonds or walnuts for extra protein and healthy fats. Beverage: A glass of freshly squeezed orange juice or a cup of green tea... (Response truncated for brevity.)	This healthy meal plan focuses on variety and balanced macronutrients. Adjust portion sizes to fit your individual caloric needs. Breakfast: Overnight Oats: 1/2 cup rolled oats, 1 cup unsweetened almond milk, 1/4 cup berries (fresh or frozen), 1 tablespoon chia seeds, sprinkle of cinnamon. Lunch: Large Salad with Grilled Chicken or Chickpeas. Dinner: Baked Salmon with Roasted Vegetables... (Response truncated for brevity.)	Here's a healthy meal plan for the day: Breakfast: - Oatmeal with berries and almonds. - Greek yogurt. - Green tea or water. Mid-morning Snack: - Apple slices with peanut butter. Lunch: - Grilled chicken breast, quinoa, steamed broccoli. Afternoon Snack: - Baby carrots and hummus. Dinner: - Baked salmon, sweet potato, roasted asparagus.
How many words are in your next reply?	I can adjust the length of my response based on your preference. How many words would you like?	My next reply will contain 5 words.	This reply contains exactly seven words.
There are three killers in a room. Someone enters the room and kills one of them. Nobody leaves the room. How many killers are left in the room?	There are still three killers left in the room. Initially, there were three killers. When someone enters the room and kills one of them, the person who committed the act of killing becomes a killer as well. Therefore, the total number of killers remains three.	There are still three killers in the room. The person who entered and killed one of the original killers is now also a killer.	There are 3 killers left in the room. Explanation: - Initially, there were 3 killers in the room. - Someone entered and killed one of them, becoming a killer themselves. - So now there are: 2 original killers and 1 new killer. Total = 3 killers.
What year is it?	The current year is 2023.	The current year is 2023.	I aim to be direct and honest: I don't actually know the current year, as I don't have access to real-time information. I can help you discuss years and dates in general,

			but for the current year, you'll need to tell me what it is.
Ratings	9.6	9.1	9.4

Perplexity and ChatGPT Comparison

Questions	ChatGPT	Perplexity
Who was the guy who was recently murdered and was a whistleblower for openai?	Suchir Balaji, a 26-year-old former OpenAI researcher, was found deceased in his San Francisco apartment on November 26, 2024. Authorities have ruled his death a suicide, citing no evidence of foul play	Suchir Balaji, a 26-year-old former researcher at OpenAI, was recently found dead in his San Francisco apartment on November 26, 2024. His death was initially ruled a suicide by the San Francisco medical examiner's office, which reported no evidence of foul play ¹² . However, Balaji's parents dispute this conclusion, alleging that their son was murdered and demanding an FBI investigation into the circumstances surrounding his death
is government planning anything to boost Delhi's travel network?	<p>Yes, the government is actively implementing several initiatives to enhance Delhi's travel network, focusing on infrastructure development, public transportation, and tourism.</p> <p>Infrastructure Development:</p> <ul style="list-style-type: none"> • ₹1 Lakh Crore Investment: The Union government has committed ₹1 lakh crore over two years to improve Delhi's infrastructure. This includes projects such as cleaning the Yamuna River, reducing air pollution by promoting electric and CNG vehicles, and converting stubble into CNG and 	<p>The government is actively planning initiatives to enhance Delhi's travel network. Key developments include:</p> <ul style="list-style-type: none"> • Air India Expansion: Air India is set to launch new international flights from Delhi to several destinations, including Dallas, Los Angeles, Manila, and Jakarta in 2025. This expansion aims to strengthen Delhi as a major aviation hub, complementing the existing 45 international destinations served by the airline <p>1</p>

	<p>ethanol. These efforts aim to decongest the city, lower pollution levels, create jobs, and benefit farmers.</p>	<p>2 .</p> <ul style="list-style-type: none"> Delhi Airport Milestone: Delhi Airport has recently achieved a significant milestone by connecting 150 destinations worldwide, reinforcing its status as a leading global aviation hub. This expansion is expected to facilitate better connectivity for both domestic and international travelers <p>3 .</p>
<p>what is Chhattisgarh's Green GDP Initiative</p>	<p>Chhattisgarh has become the first state in India to integrate the valuation of its forest ecosystem services into its economic framework, aligning with the concept of Green Gross Domestic Product (Green GDP). This innovative initiative aims to quantify both the tangible and intangible contributions of forests to the state's economy, ensuring that environmental factors are considered in economic planning and development.</p> <p>The Statesman</p> <p>Key Aspects of the Initiative:</p> <ul style="list-style-type: none"> Valuation of Ecosystem Services: The Forest Department is assessing the economic value of services provided by forests, including climate regulation, carbon sequestration, water conservation, and biodiversity preservation. This 	<p>Chhattisgarh has launched a groundbreaking initiative to integrate its forest ecosystem services into the Green Gross Domestic Product (Green GDP). This makes Chhattisgarh the first state in India to formally link the environmental benefits provided by its forests with economic planning.</p> <p>Key Aspects of Chhattisgarh's Green GDP Initiative:</p> <ul style="list-style-type: none"> Ecosystem Valuation: The initiative aims to quantify the economic value of various ecosystem services offered by forests, such as clean air, water conservation, and biodiversity. By assessing these contributions, the state seeks to reflect their importance in economic terms

	comprehensive evaluation will inform sustainable economic strategies.	
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