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"'AIM: WAP TO CREATE KBC QUIZ
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def load_questions(filename): # Takes the file path (filename) as input
 questions = [] # Initialize an empty list to store questions
 with open(filename, 'r') as file: # Open the text file for reading
   lines = file.readlines() # Read all lines from the file
   i = 0
   while i < len(lines):
      question = lines[i].strip() # The question text
      options = {
        'A': lines[i+1].strip().split('. ')[1], # Option A
        'B': lines[i+2].strip().split('. ')[1], # Option B
        'C': lines[i+3].strip().split('. ')[1], # Option C
        'D': lines[i+4].strip().split('. ')[1] # Option D
     }
     correct_answer = lines[i+5].strip().split(': ')[1] # Correct answer
     # Add the question data (question, options, correct answer) to the list
      questions.append({
        'question': question,
        'options': options,
        'correct_answer': correct_answer
     })
     # Move to the next question block (next set of 6 lines)
     i += 6
 return questions
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def play_game(questions):
 score = 0
 for q in questions:
   print(f"{q['question']}")
   for option, answer in q['options'].items():
     print(f"{option}. {answer}")
   player_answer = input("Enter your answer (A/B/C/D): ").upper()
   if player_answer == q['correct_answer']:
     score += 1
     print("Correct!\n")
   else:
     print(f"Incorrect! The correct answer was {q['correct_answer']}.\n")
     break # End the game if the player answers incorrectly
 print(f"Game Over! Your final score is: {score}/{len(questions)}")
def main():
 filename = 'questions.txt' # The file that contains the quiz questions
 questions = load_questions(filename) # Pass the filename here (not 'questions')
 print("Welcome to the KBC Quiz Game!\n")
 play_game(questions)
if __name__ == "__main__":
 main()
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Welcome to the KBC Quiz Game!
What is the capital of France?
A. Berlin
B. Madrid
C. Paris
D. Rome
Enter your answer (A/B/C/D): C
Correct!
What is 5 + 7?
A. 11
B. 12
C. 13
D. 14
Enter your answer (A/B/C/D): B
Correct!
Who wrote "Romeo and Juliet"?
A. Charles Dickens
B. William Shakespeare
C. Jane Austen
D. Mark Twain
Enter your answer (A/B/C/D): A
Incorrect! The correct answer was B.
Game Over! Your final score is: 2/3
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"'AIM: WAP TO CALCULATE TO CALCULATE THE AREA AND PERIMETER OF SQUARE RECTANGLE AND CIRCLE

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NAME: Mohd Hanif
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import math
def rectangle():
    length = float(input("Enter the length of the rectangle: "))
    width = float(input("Enter the width of the rectangle: "))
    area = length * width
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perimeter = 2 * (length + width)
 print(f"Area of the rectangle: {area}")
 print(f"Perimeter of the rectangle: {perimeter}\n")
def square():
 side = float(input("Enter the side length of the square: "))
 area = side * side
 perimeter = 4 * side
 print(f"Area of the square: {area}")
 print(f"Perimeter of the square: {perimeter}\n")
def circle():
 radius = float(input("Enter the radius of the circle: "))
 area = math.pi * radius ** 2
 circumference = 2 * math.pi * radius
 print(f"Area of the circle: {area}")
 print(f"Circumference of the circle: {circumference}\n")
# Main function to drive the program
def main():
 while True:
   # Asking the user to choose a shape
   print("Choose a shape to calculate:")
   print("1. Rectangle")
   print("2. Square")
   print("3. Circle")
   print("4. Exit")
   choice = input("Enter your choice (1/2/3/4): ")
   # Perform the appropriate calculation based on user's choice
   if choice == '1':
      rectangle()
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elif choice == '2':
     square()
   elif choice == '3':
     circle()
   elif choice == '4':
     print("Exiting the program. Goodbye!")
     break
   else:
     print("Invalid choice, please try again.\n")
# Running the main function
if __name__ == "__main__":
 main()
1. Rectangle
2. Square
3. Circle
4. Exit
Enter your choice (1/2/3/4): 2
Area of the square: 16.0
Perimeter of the square: 16.0
  1. Rectangle
  2. Square
  3. Circle
  4. Exit
  Enter your choice (1/2/3/4): 3
  Area of the circle: 153.93804002589985
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1. Rectangle
2. Square
3. Circle
Enter your choice (1/2/3/4): 1
Area of the rectangle: 15.0
Perimeter of the rectangle: 16.0
1. Rectangle
2. Square
```

- 3. Circle
- 4. Exit

Enter your choice (1/2/3/4): 4