

Certainly! Here's a homework assignment for PCEP (Python Certified Entry-Level Programmer) level that focuses on functions and exception handling:

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## Python Homework Assignment: Functions and Exception Handling

### Assignment 1: Function Practice

1. Define a function named `square_number` that takes a number as input and returns the square of that number.
2. Define a function named `calculate_average` that takes three numbers as input and returns their average.
3. Define a function named `print_greeting` that takes a name as input and prints a greeting message using that name.

### Assignment 2: Exception Handling

1. Write a program that takes two numbers as input from the user and calculates their division. Use try-except blocks to handle the `ZeroDivisionError` exception in case the second number is zero.
2. Write a program that prompts the user to enter their age. Use try-except blocks to handle the `ValueError` exception in case the input is not a valid integer.

### Assignment 3: Application of Functions

1. Write a function named `calculate_discount` that takes the original price and discount percentage as input and returns the discounted price.
2. Write a function named `convert_temperature` that takes a temperature in Celsius and converts it to Fahrenheit using the formula  $(Celsius \times 9/5) + 32$ .

### Assignment 4: Challenge Problem

1. Write a program that asks the user to enter three numbers representing the sides of a triangle. Use functions to determine if the triangle is equilateral, isosceles, or scalene. Handle any input errors using try-except blocks.

### Submission Guidelines:

- Write Python code for each assignment.
- Include comments to explain your code.
- Save your Python script as "homework 2.py".
- Submit your script by [submission date].