

Day13: Assignment Questions:

1. Number Squaring with Exception Handling

Task:

- Write a Python program that:
 - Asks the user to enter a number.
 - Squares the number and prints the result.
 - Handles the following exceptions:
 - ValueError if the input is not a valid number.
 - TypeError in case of unexpected issues.

Example Output:

Enter a number: 5

Square of 5 is 25.

Enter a number: hello

Error: Invalid input! Please enter a number.

2. Even/Odd Number Checker with Exception Handling

Task:

- Write a Python program that:
 - Asks the user to enter a number.
 - Checks whether the number is even or odd.
 - Handles the following exceptions:
 - ValueError if the input is not a valid number.

Example Output:

Enter a number: 8

8 is an even number.

Enter a number: abc

Error: Invalid input! Please enter a valid number.

3. Reverse String with Exception Handling

Task:

- Write a Python program that:
 - Asks the user to enter a string.
 - Reverses and prints the string.
 - Handles the following exceptions:
 - ValueError if the input is empty.

Example Output:

Enter a string: Python

Reversed string: nohtyP

Enter a string:

Error: Input cannot be empty!