M.Ibrahim Tariq BIT-23F-054. Lab No 5

Python Programs: Basic to Advanced

1. Basic Task: Check if a number is positive, negative, or zero

Code:

# Basic Task

num = float(input("Enter a number: "))

if num > 0:

print("The number is positive.")

elif num < 0:

print("The number is negative.")

else:

print("The number is zero.")

Sample Output:

Enter a number: -12

The number is negative.

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2. Intermediate Task: Check if a number is even or odd

Code:

# Intermediate Task

num = int(input("Enter an integer: "))

if num % 2 == 0:

print("The number is even.")

else:

print("The number is odd.")

Sample Output:

Enter an integer: 7

The number is odd.

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3. Advanced Task: Grade Evaluation

Code:

# Advanced Task

marks = int(input("Enter your marks: "))

if marks > 80:

print("Excellent")

elif 60 <= marks <= 80:

print("Good")

else:

print("Needs Improvement")

Sample Output:

Enter your marks: 75

Good

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