Assigiment1

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# Q1: Print your name, department, and favorite subject using print().
print("\nQ1 Solution:")
print("Name : Sasanka Sekhar Kundu")
print("Department: Computer Science & Engineering")
print("Favorite Subject: Data Structures & Algorithms")
 print("\nQ2 Solution:")
 print("x + y =", x + y)
print("x - y =", x - y)
print("x * y =", x * y)
# Qs: Write a code snippet with both single-line and multi-line comments.
print("\nQ3 Solution:")
 This is a multi-line comment.
It is used to explain the code.
roll_no = "CSE-2025-001"
marks = 86.5
 is_pass = Tru
print("\nq5 Solution:")
a_int = 42
b_float = 5.1415
c_bool = False
d_str = "ITM Skills University"
d_str = Thi shitts offered
print(type(a_int), a_int)
print(type(b_float), b_float)
print(type(c_bool), c_bool)
print(type(d_str), d_str)
 # Q6: Take two inputs from the user (name and age) and display a welcome message.
print("\nQ6 Solution:")
name = input("Enter your name: ")
 age = input("Enter your age: ")
print(f"Welcome, {name}! Age recorded as {age}.")
# Q7: Convert a number entered as a string into an integer and print the result.
print("\nQ7 Solution:")
 num_str = input("Enter a number (as text): ")
       num_int = int(num_str.strip())
print("Converted integer:", nu
\# Q8: Use type() to show the data types of three different variables. print("\nQ8 Solution:")
  z = "AgriNext"
print(f"x={x} ->", type(x))
print(f"y={y} ->", type(y))
print(f"z='{z}' ->", type(z))
       a = float(input("Enter first number: "))
b = float(input("Enter second number: ")
             float(input("Enter second number: "))
       print("Sum:", result)
print("Type of result:", type(result))
 print("\nQ11 Solution:")
       n = float(input("Enter a number: "))
       elif n
     cept ValueError:
print("Invalid input! Please enter a number.")
```

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   (base) zoro~$python3 assignment1.py
   Q1 Solution:
            : Sasanka Sekhar Kundu
   Department: Computer Science & Engineering
   Favorite Subject: Data Structures & Algorithms
   Q2 Solution:
   x + y = 11
10 x - y = 3
   x * y = 28
   Q3 Solution:
   Demonstration of comments in Python
16 Q4 Solution:
   Roll No: CSE-2025-001
   Marks : 86.5
   Result : Pass
21 Q5 Solution:
   <class 'int'> 42
23 <class 'float'> 3.1415
24 <class 'bool'> False
25 <class 'str'> ITM Skills University
   Q6 Solution:
28 Enter your name: Sasanka
   Enter your age: 20
   Welcome, Sasanka! Age recorded as 20.
32 Q7 Solution:
33 Enter a number (as text): one
   Invalid input! Please enter digits only.
36 Q8 Solution:
37 x=10 -> <class 'int'>
38 y=2.5 -> <class 'float'>
   z='AgriNext' -> <class 'str'>
41 Q9 Solution:
42 10 -> <class 'int'>
43 10.0 -> <class 'float'>
45 True -> <class 'bool'>
47 Q10 Solution:
48 Enter first number: 10
49 Enter second number: 20
50 Sum: 30.0
51 Type of result: <class 'float'>
53 Q11 Solution:
54 Enter a number: 0.2
55 Positive
56 (base) zoro~$
```