

Python Programming – Day 1

Example 1 – Display Simple Messages

```
print("Hello World..")  
print("Welcome to Python Programming")  
print("Hi Lahiru")
```

Example 2 – Display a Message Using a Variable

```
# Write a Python program that prints a welcome message using a variable  
message = "Welcome to Python programming.."  
print(message)
```

Note: Variables store data while the program is running.

Example 3 – Display Your Name and Age

```
# Display your name and age using 2 variables  
name = "Lahiru"  
age = "36"  
print("I'm", name, "and", age, "years old")
```

Example 4 – Add Two Numbers (Using int() function)

```
x = int(input("Enter 1st Number: "))  
y = int(input("Enter 2nd Number: "))  
z = x + y  
print("The sum is:", z)
```

input() – waits for user input
print() – displays output
int() – converts a string value to an integer

Example 5 – Add Two Numbers (Without int() function)

```
# Remove int() function  
x = input("Enter 1st Number: ")  
y = input("Enter 2nd Number: ")
```

```
z = x + y
print("The result is:", z)
```

Note: Without `int()`, inputs are treated as text and will be joined together instead of added numerically.

Example 6 – Calculate Age

```
# Create a program that takes user's birth year and calculates their age
birthyear = int(input("Enter your birth year: "))
currentyear = int(input("Enter current year: "))
age = currentyear - birthyear
print("My age is:", age)
```

Example 7 – Area of a Rectangle

```
# Calculate the area of a rectangle using user input
# Formula: area = length * width

length = int(input("Enter the length: "))
width = int(input("Enter the width: "))
area = length * width
print("The area of the rectangle is:", area)
```

Complete the Following Tasks

1. Write a program that asks for two numbers and displays their sum.
2. Convert the string '100' into an integer and multiply it by 2.
3. Write a program that adds three numbers and displays the total.
4. Write a program that checks if a number is Even or Odd.
5. Answer: What is the difference between `int` and `float`?
6. List and describe four different data types in Python.

Tips

- Always test your programs with different inputs.
- Use comments (`#`) to explain what your code does.
- Practice regularly to improve your understanding of Python.