Task 1 – Write any 5 code examples in google colab notebook

# Variable initialization and print statement

# Storing the name of a student

student\_name = "Alice"

print("Student Name:", student\_name)

# Storing total marks obtained by a student

total\_marks = 95

print("Total Marks:", total\_marks)

# Storing the value of Pi, used in mathematical calculations

pi\_value = 3.14159

print("Value of Pi:", pi\_value)

# Storing the brand name of a car

car\_brand = "Toyota"

print("Car Brand:", car\_brand)

# Storing the salary of an employee in dollars

employee\_salary = 75000.50

print("Employee Salary: $", employee\_salary)

# Storing the maximum speed limit of a vehicle in km/h

max\_speed = 120

print("Max Speed:", max\_speed, "km/h")

# Storing the number of students in a class

num\_of\_students = 45

print("Number of Students:", num\_of\_students)

# Boolean variable indicating whether a user is logged in or not

is\_logged\_in = True

print("Is User Logged In?", is\_logged\_in)

# Storing the first name of a person

first\_name = "John"

print("First Name:", first\_name)

# Storing the discount percentage on a product

discount\_percentage = 10.5

print("Discount Percentage:", discount\_percentage, "%")

Task 2 - Check Data Type of above variables using type()

Task 3 – Guess the output of following Python code examples

Example 1: Guess the Output

# Guess the output

a = 5

b = 10

print(a + b)

Example 2: Identify the Error

# Identify the error

x = 10

y = 20

print(x + y)

print(z)

Example 3: Guess the Output

# Guess the output

name = "Alice"

age = 25

print(name)

print(age)

Example 4: Identify the Error

# Identify the error

city = "New York"

print("City: " city)

Example 5: Guess the Output

# Guess the output

item = "Laptop"

price = 999.99

print("The price of the", item, "is $", price)

Example 6: Identify the Error

# Identify the error

temperature = 22.5

print("The temperature is " temperature " degrees Celsius")