**Day-01**

**24-02-2025**

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**Output Statement:**

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-> This statement can be used to control the output devices.

-> In other words, when we want to print anything on the screen, we can use "output statement".

-> To define the output statement, we have a pre-defined function is called as "print()".

**print():**

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case-1: printing of values only

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Syntax:

 print(value/variable-name)

a = int(input("Enter an integer value:"))

b = int(input("Enter an integer value:"))

print(a)

print(b)

case-2: printing of more than value using single print()

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Syntax:

 print(value1/var1,value2/var2)

a = int(input("Enter an integer value:"))

b = int(input("Enter an integer value:"))

print(a,b)

Note:

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print() is a block function.

That every definition of the print(), can start with new line.

case-3: printing of value along with message:

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using comma operator

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Syntax:

 print(value, "message")

 or

 print('message', value)

 or

 print('message',val1,'message2',val2,...)

a = int(input("Enter an integer value:"))

b = int(input("Enter an integer value:"))

# The value of a = 123

# 121 is the value of b

print("The value of a = ",a)

print(b,'is the value of b')

# The value of a = 1993 and the value of b = 2005

# 1993 and 2005 are the values of a and b

print('The value of a = ',a,"and the value of b = ",b)

print(a,'and',b,"are the value of a and b")

using %

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Syntax:

 print("Message %s"%(variable-name))

 or

 print("%s Message"%(variable-name))

 or

 print("Message %s Message %s.."%(var1,var2,...))

a = int(input("Enter an integer value:"))

b = int(input("Enter an integer value:"))

# The value of a = 123

# 121 is the value of b

print("The Value of a = %s"%(a))

print("%s is the value of b"%(b))

# The value of a = 1993 and the value of b = 2005

# 1993 and 2005 are the values of a and b

print('The value of a = %s and the value of b = %s'%(a,b))

print('%s and %s are the values of a and b'%(a,b))

print('The value of a = %s and the value of b = %s'%(b,a))

print('%s and %s are the values of a and b'%(b,a))

using .format()

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Syntax:

 print("Message {}".format(variable))

 or

 print('{} Message'.format(variable))

 or

 print("Msg1 {} Msg2 {},...".format(var1,var2,...))

a = int(input("Enter an integer value:"))

b = int(input("Enter an integer value:"))

# The value of a = 123

# 121 is the value of b

print("The value of a = {}".format(a))

print('{} is the value of b'.format(b))

# The Value of a = 1993 and the value of b = 2005

# 1993 and 2005 are the values of a and b

# 1993 is the value of a and 2005 is the value of b

print("The value of a = {} and the value of b = {}".format(a,b))

print("{} and {} are the values of a and b".format(a,b))

print("{} is the value of a and {} is the value of b".format(a,b))

print("The value of a = {x} and the value of b = {y}".format(y = b,x = a))

print("{0} and {1} are the values of a and b".format(b,a))

print("{x} is the value of a and {y} is the value of b".format(y = b,x = a))