**03-09-25**

**SEPTEMBER 03**

**Variables:**

        It is a place where we store our values,it has names.

**\* Rules to declare variable**

    -valid variable declaration

    a = 2 A = 2 num = 20 NUM1 = 40 Num3 = 50

    -incase of two words use underscore

    StuId = 80998

    Stu\_id = 127

    \_stu\_name = "Priya"

    -we can declare multiple variables at once

    a,b,c = 4,5,6 or x=8; y=3; z=6

**\* Invalid Variable Declaration**

    -we can't start the variable name with number

    -we can't use space and any other special characters apart from underscore

    1num=5

    stu name = "karthik"

    @num$ = 30

Q: Collect person's data

Name = str

Age = int

Phone number = str

numerical data without calculations we take it in string

Emailid = str

Insta id = str

Address = str

Height = float

Weight = float

Education = str

Work Experience = float

Salary = float

Company Name = str

DOB = str/date

Marital Status = str

Gender = str

Blood Group = str

**INPUT AND OUTPUT FUNCTION:**

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print() - output function

input() - input function

\*Incase of taking input from the user if we are not giving any datatype it defaulty considers in str datatype.

print(" Hello Good Morning")

name **=** input("Enter your name:")

age **=** int(input("Enter your age:"))

Hello Good Morning

Enter your name:Indu

Enter your age:23

type(name)

str

type(age)

int

a **=** int(input())

b **=** int(input())

a**+**b

6

7

13

print(" Hello Good Morning")

name **=** input("Enter your name:")

age **=** int(input("Enter your age:"))

print(name,type(name))

print(age,type(age))

Hello Good Morning

Enter your name:indu

Enter your age:23

indu <class 'str'>

23 <class 'int'>

**Write a program to read employee data**

emp Id,emp name,emp salary

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expected output format:

Employee ID = 123

Employee Name = Priyanka

Employee Salary = 45000Rs

Employee\_ID **=** int(input("Enter your emp id = "))

Employee\_Name **=** input("Enter your name = ")

Employee\_Salary **=** float(input("enter your salary = "))

print("Method 01")

print("Employee ID = ",Employee\_ID,"\nEmployee Name = ",Employee\_Name,"\nEmployee Salary = ",Employee\_Salary,"Rs")

Enter your emp id = 123

Enter your name = Indu

enter your salary = 45000

Method 01

Employee ID = 123

Employee Name = Indu

Employee Salary = 45000.0 Rs

print(".format Method")

print("Employee Id = {}\nEmployee Name = {}\nEmployee Salary = {}Rs".format(Employee\_ID,Employee\_Name,Employee\_Salary))

.format Method

Employee Id = 123

Employee Name = Indu

Employee Salary = 45000.0Rs

print("f string Print Method")

print(f"Employee Id = {Employee\_ID}\nEmployee Name = {Employee\_Name}\nEmployee Salary = {Employee\_Salary}Rs")

f string Print Method

Employee Id = 123

Employee Name = Indu

Employee Salary = 45000.0Rs

**Write a program to read student Id,name and 3 subject marks and display their details**

Student ID

Student Name

Sub1 Marks

Sub2 Marks

Sub3 Marks

Total Marks

Percentage