

DAY-03

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

-in case 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:

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

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