Agenda

Simple Input and Output in Python

- raw_input() vs input()
- python3 input()
- How to read multiple values from a keyboard
- output statement-print()
- sep attribute
- end attribute
- printing formatted string
- replacement operator {}

In [ ]:

```
raw_input()----->python2.x---->default string
input()------>python 2.x---->what ever you entered (10---int,23.56---float,'hello'---str)
```

In [ ]:

```
input()----->python3.x----->default string---->int,float,bool
```

In [3]:

```
x=input("Enter any number")
print(type(x))
i=int(x)
print(i)
```

```
Enter any number10
<class 'str'>
10
```

In [6]:

```
print("The Sum of Two Numbers:",int(input("1st Number"))+int(input("2nd Number")))
```

```
1st Number20
2nd Number30
The Sum of Two Numbers: 50
```

In [10]:

```python
# employee information
eno=int(input("Enter eno"))
ename=input("Enter employee Name")
esal=float(input("Enter employee Salary"))
add=input("Enter Address:")
mstatus=eval(input("Is employee Married(True/False)"))
print(eno,ename,esal,add)
print(str(mstatus))
```

```
Enter eno1000
Enter employee Namejjj
Enter employee Salary2003.258
Enter Address:Hyd
Is employee Married(True/False)False
1000 jjj 2003.258 Hyd
False
```

In [16]:

```python
# read Multiple values from the Keyboad
a,b,c,d=[int(x) for x in input("Enter two Numbers:").split()]
print("The Sum=",a+b,c*d)
```

```
Enter two Numbers:10 20 30 40
The Sum= 30 1200
```

In [17]:

```python
s=input("Enter values").split()
print(s)
print(type(s))
```

```
Enter values10 20 53.6 "Heloo" True
['10', '20', '53.6', '"Heloo"', 'True']
<class 'list'>
```

In [22]:

```python
x=eval(input("Enter anything"))
print(type(x))
```

```
Enter anythingTrue
<class 'bool'>
```

In [25]:

```python
from sys import argv
ls=[10,20,30]
print(argv[2])
```

```
C:\Users\ARK\AppData\Roaming\jupyter\runtime\kernel-98e7ca89-112f-4b81-aa2
f-058e3f807fc6.json
```

In [28]:

```python
print("Gitam\n"+"Hyderabd")
```

```
Gitam
Hyderabd
```

In [29]:

```python
print(5+"Gitam")
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-29-ed02fae31278> in <module>
----> 1 print(5+"Gitam")

TypeError: unsupported operand type(s) for +: 'int' and 'str'
```

In [30]:

```python
print(5*"GITAM")
```

```
GITAMGITAMGITAMGITAMGITAM
```

In [32]:

```python
a,b,c,d,e=10,20,30,40,50
print(a,b,c,d,e,sep=':')
```

```
10:20:30:40:50
```

In [35]:

```python
print(10,20,30,sep=':',end='$$$')
print(40,50,sep=':')
```

```
10:20:30$$$40:50
```

In [36]:

```python
name="Gitam"
dept='cse'
year=2020
print("This is {} University department is {} current year is {}".format(name,dept,year))
```

```
This is Gitam University department is cse current year is 2020
```

In [38]:

```python
a=10
print('a value is%i'%a)
```

```
a value is10
```

In [39]:

```python
name='Ganesh'
marks=[90,80,75,68,60]
print("Hello %s Your Marks:%s" %(name,marks))
```

Hello Ganesh Your Marks:[90, 80, 75, 68, 60]

In [ ]: